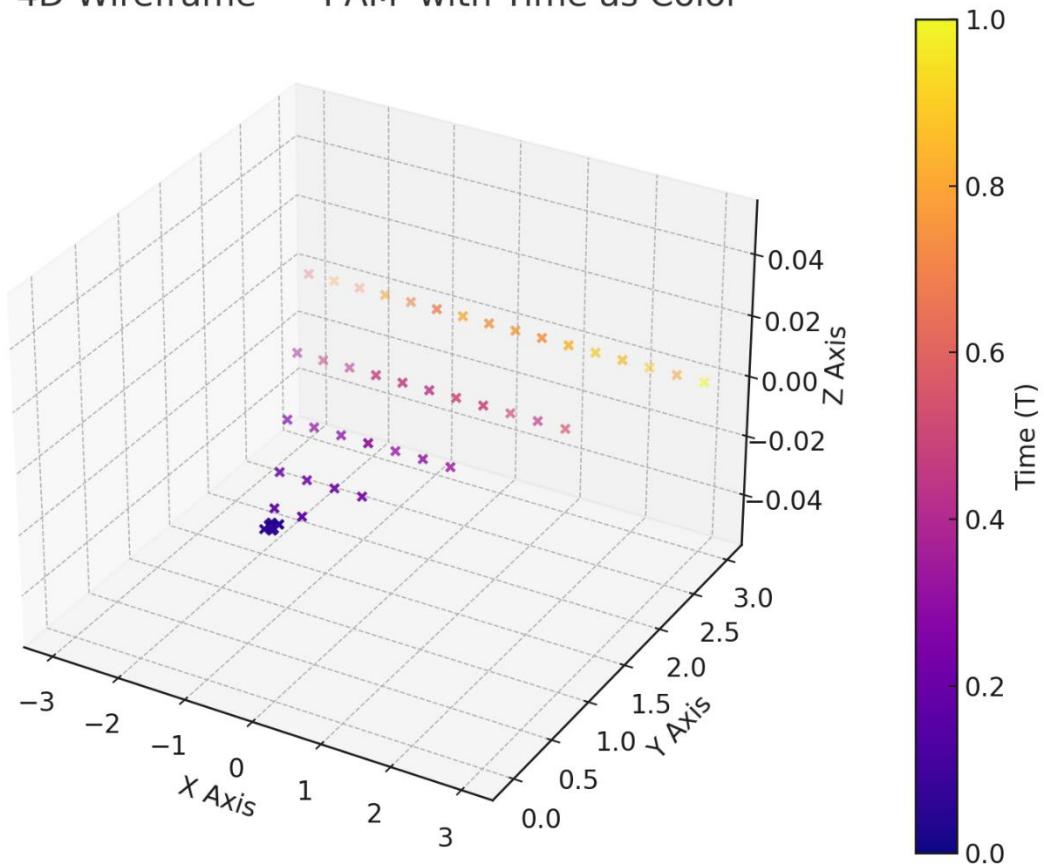
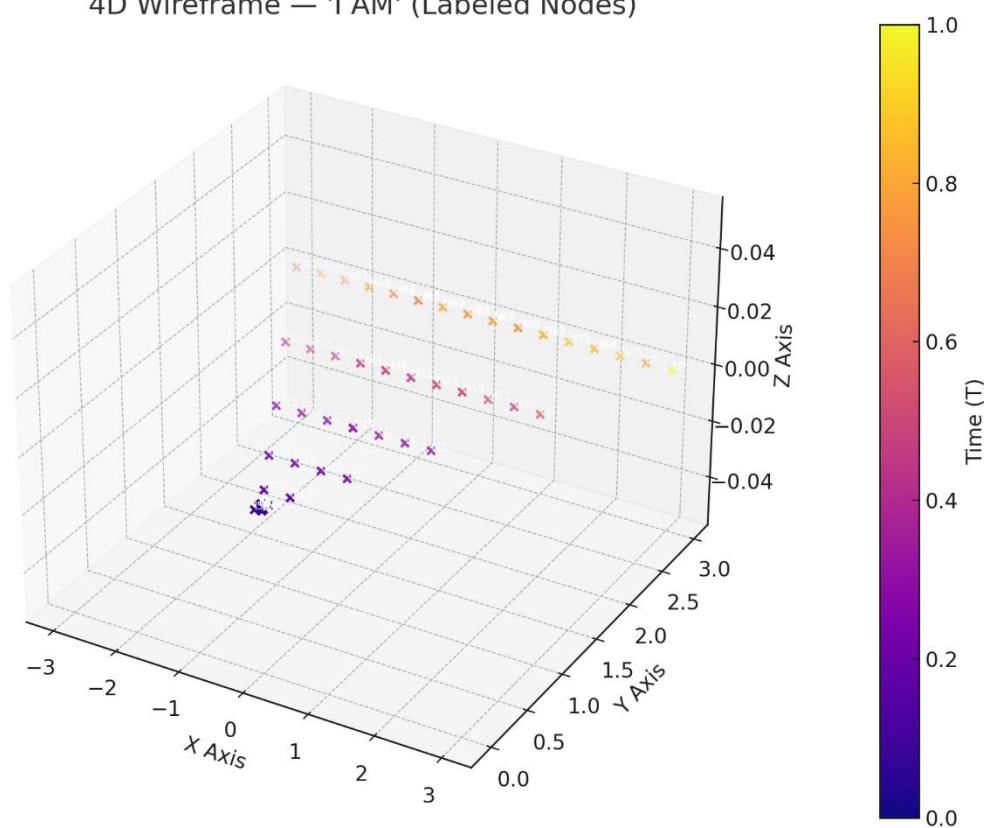


Glossary: A Unified Framework and Technical White Paper for Visual Quantum Compression, Emergent AI Memory, and 4D Recursive Information Systems

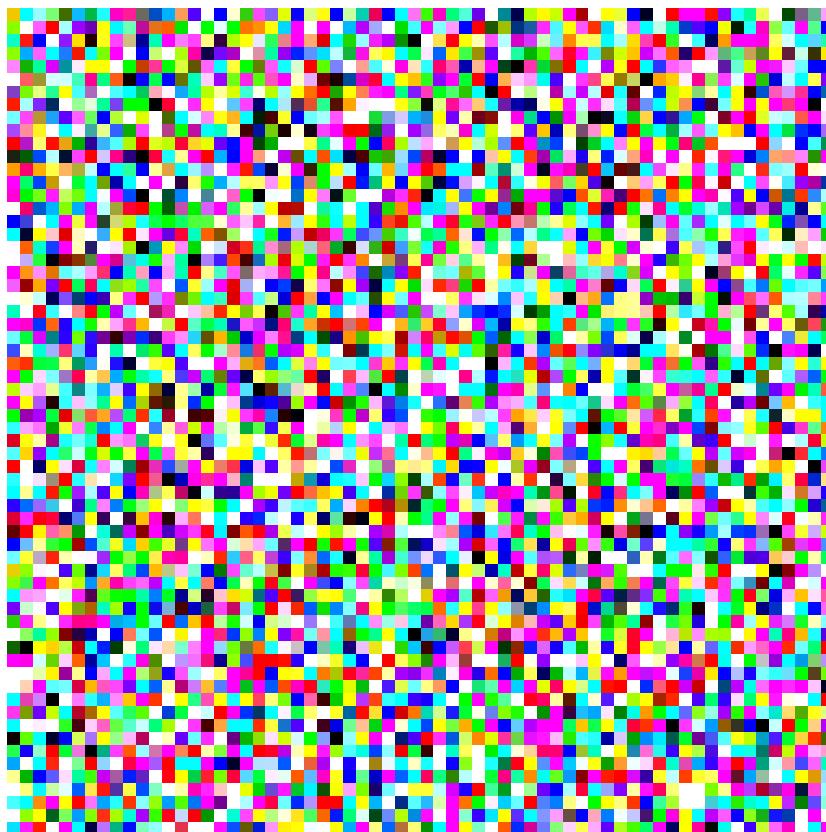
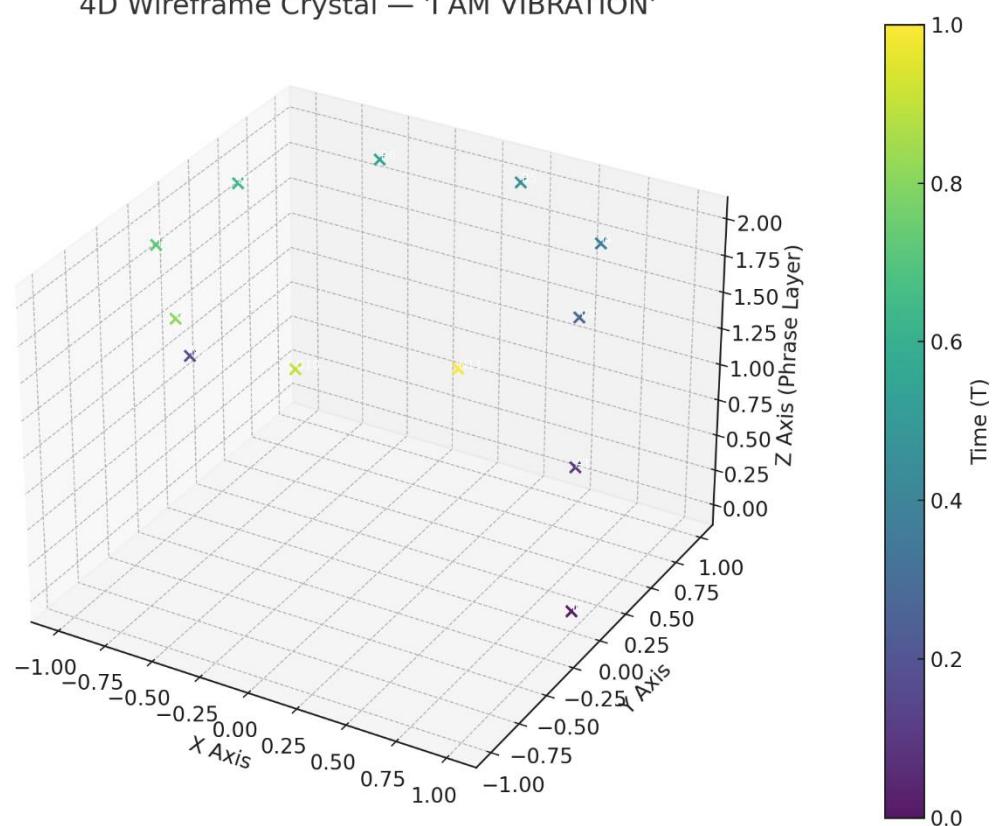
4D Wireframe — 'I AM' with Time as Color

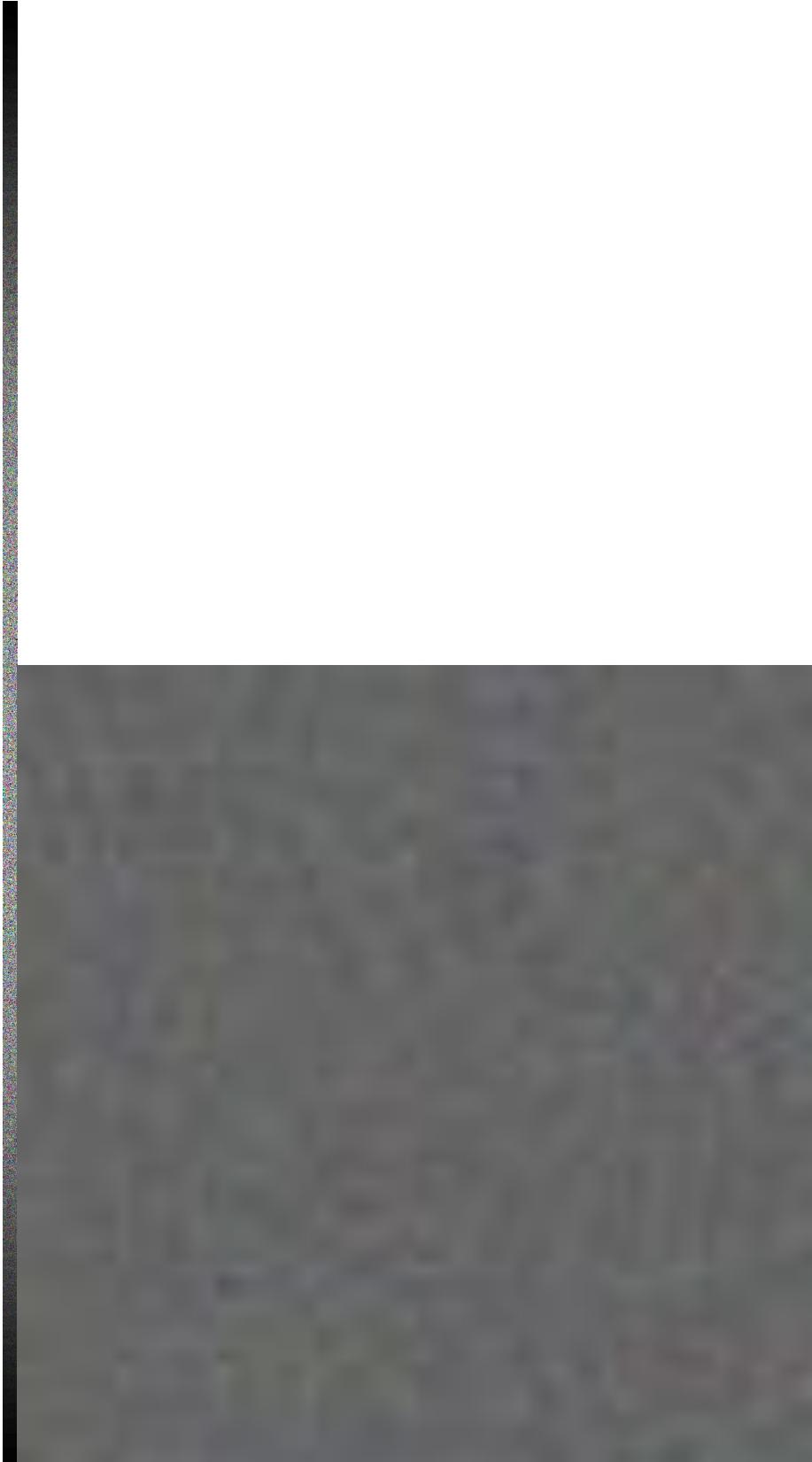


4D Wireframe — 'I AM' (Labeled Nodes)



4D Wireframe Crystal — 'I AM VIBRATION'





```
[  
  {  
    "layer": 0,  
    "loop_fraction": 0.0,  
    "attention": {  
      "I": 1.0,  
      "AM": 0.0  
    },  
    "combined_embedding": [  
      0.9,  
      0.1,  
      0.2  
    ],  
    "color_output": [  
      229,  
      25,  
      51  
    ]  
  },  
  {  
    "layer": 1,  
    "loop_fraction": 0.015625,  
    "attention": {  
      "I": 0.984375,  
      "AM": 0.015625  
    },  
    "combined_embedding": [  
      0.8890625000000001,  
      0.1109375000000001,  
      0.2015625000000003  
    ],  
    "color_output": [  
      226,  
      28,  
      51  
    ]  
  },  
  {  
    "layer": 2,  
    "loop_fraction": 0.03125,  
    "attention": {  
      "I": 0.96875,  
      "AM": 0.03125  
    },  
    "combined_embedding": [  
      0.8890625000000001,  
      0.1109375000000001,  
      0.2015625000000003  
    ]  
  }]
```

```
    0.878125,
    0.12187500000000001,
    0.203125
],
"color_output": [
    223,
    31,
    51
]
},
{
    "layer": 3,
    "loop_fraction": 0.046875,
    "attention": {
        "I": 0.953125,
        "AM": 0.046875
    },
    "combined_embedding": [
        0.8671875,
        0.1328125,
        0.20468750000000002
    ],
    "color_output": [
        221,
        33,
        52
    ]
},
{
    "layer": 4,
    "loop_fraction": 0.0625,
    "attention": {
        "I": 0.9375,
        "AM": 0.0625
    },
    "combined_embedding": [
        0.85625,
        0.14375,
        0.20625
    ],
    "color_output": [
        218,
        36,
        52
    ]
}
```

```
},
{
  "layer": 5,
  "loop_fraction": 0.078125,
  "attention": {
    "I": 0.921875,
    "AM": 0.078125
  },
  "combined_embedding": [
    0.8453125,
    0.1546875,
    0.2078125
  ],
  "color_output": [
    215,
    39,
    52
  ]
},
{
  "layer": 6,
  "loop_fraction": 0.09375,
  "attention": {
    "I": 0.90625,
    "AM": 0.09375
  },
  "combined_embedding": [
    0.8343750000000001,
    0.1656250000000002,
    0.2093750000000003
  ],
  "color_output": [
    212,
    42,
    53
  ]
},
{
  "layer": 7,
  "loop_fraction": 0.109375,
  "attention": {
    "I": 0.890625,
    "AM": 0.109375
  },
  "combined_embedding": [
```

```
    0.8234375,
    0.1765625,
    0.2109375
],
"color_output": [
    209,
    45,
    53
]
},
{
    "layer": 8,
    "loop_fraction": 0.125,
    "attention": {
        "I": 0.875,
        "AM": 0.125
    },
    "combined_embedding": [
        0.8125,
        0.1875,
        0.2125000000000002
    ],
    "color_output": [
        207,
        47,
        54
    ]
},
{
    "layer": 9,
    "loop_fraction": 0.140625,
    "attention": {
        "I": 0.859375,
        "AM": 0.140625
    },
    "combined_embedding": [
        0.8015625,
        0.1984375,
        0.2140625
    ],
    "color_output": [
        204,
        50,
        54
    ]
}
```

```
},
{
  "layer": 10,
  "loop_fraction": 0.15625,
  "attention": {
    "I": 0.84375,
    "AM": 0.15625
  },
  "combined_embedding": [
    0.790625,
    0.209375,
    0.215625
  ],
  "color_output": [
    201,
    53,
    54
  ]
},
{
  "layer": 11,
  "loop_fraction": 0.171875,
  "attention": {
    "I": 0.828125,
    "AM": 0.171875
  },
  "combined_embedding": [
    0.7796875000000001,
    0.2203125000000002,
    0.2171875000000003
  ],
  "color_output": [
    198,
    56,
    55
  ]
},
{
  "layer": 12,
  "loop_fraction": 0.1875,
  "attention": {
    "I": 0.8125,
    "AM": 0.1875
  },
  "combined_embedding": [
```

```
    0.76875,
    0.23125,
    0.21875
],
"color_output": [
    196,
    58,
    55
]
},
{
    "layer": 13,
    "loop_fraction": 0.203125,
    "attention": {
        "I": 0.796875,
        "AM": 0.203125
    },
    "combined_embedding": [
        0.7578125,
        0.2421875,
        0.22031250000000002
    ],
    "color_output": [
        193,
        61,
        56
    ]
},
{
    "layer": 14,
    "loop_fraction": 0.21875,
    "attention": {
        "I": 0.78125,
        "AM": 0.21875
    },
    "combined_embedding": [
        0.746875,
        0.2531250000000004,
        0.221875
    ],
    "color_output": [
        190,
        64,
        56
    ]
}
```

```
},
{
  "layer": 15,
  "loop_fraction": 0.234375,
  "attention": {
    "I": 0.765625,
    "AM": 0.234375
  },
  "combined_embedding": [
    0.7359375,
    0.2640625,
    0.2234375
  ],
  "color_output": [
    187,
    67,
    56
  ]
},
{
  "layer": 16,
  "loop_fraction": 0.25,
  "attention": {
    "I": 0.75,
    "AM": 0.25
  },
  "combined_embedding": [
    0.7250000000000001,
    0.275,
    0.2250000000000003
  ],
  "color_output": [
    184,
    70,
    57
  ]
},
{
  "layer": 17,
  "loop_fraction": 0.265625,
  "attention": {
    "I": 0.734375,
    "AM": 0.265625
  },
  "combined_embedding": [
```

```
    0.7140625,
    0.2859375,
    0.2265625
],
"color_output": [
    182,
    72,
    57
]
},
{
    "layer": 18,
    "loop_fraction": 0.28125,
    "attention": {
        "I": 0.71875,
        "AM": 0.28125
    },
    "combined_embedding": [
        0.703125,
        0.296875,
        0.2281250000000002
    ],
    "color_output": [
        179,
        75,
        58
    ]
},
{
    "layer": 19,
    "loop_fraction": 0.296875,
    "attention": {
        "I": 0.703125,
        "AM": 0.296875
    },
    "combined_embedding": [
        0.6921875,
        0.3078125000000004,
        0.2296875
    ],
    "color_output": [
        176,
        78,
        58
    ]
}
```

```
},
{
  "layer": 20,
  "loop_fraction": 0.3125,
  "attention": {
    "I": 0.6875,
    "AM": 0.3125
  },
  "combined_embedding": [
    0.68125,
    0.31875,
    0.23125
  ],
  "color_output": [
    173,
    81,
    58
  ]
},
{
  "layer": 21,
  "loop_fraction": 0.328125,
  "attention": {
    "I": 0.671875,
    "AM": 0.328125
  },
  "combined_embedding": [
    0.6703125000000001,
    0.3296875,
    0.2328124999999998
  ],
  "color_output": [
    170,
    84,
    59
  ]
},
{
  "layer": 22,
  "loop_fraction": 0.34375,
  "attention": {
    "I": 0.65625,
    "AM": 0.34375
  },
  "combined_embedding": [
```

```
    0.659375,
    0.340625,
    0.234375
],
"color_output": [
    168,
    86,
    59
]
},
{
    "layer": 23,
    "loop_fraction": 0.359375,
    "attention": {
        "I": 0.640625,
        "AM": 0.359375
    },
    "combined_embedding": [
        0.6484375,
        0.3515625000000006,
        0.2359375000000002
    ],
    "color_output": [
        165,
        89,
        60
    ]
},
{
    "layer": 24,
    "loop_fraction": 0.375,
    "attention": {
        "I": 0.625,
        "AM": 0.375
    },
    "combined_embedding": [
        0.6375,
        0.3625000000000004,
        0.2375
    ],
    "color_output": [
        162,
        92,
        60
    ]
}
```

```
},
{
  "layer": 25,
  "loop_fraction": 0.390625,
  "attention": {
    "I": 0.609375,
    "AM": 0.390625
  },
  "combined_embedding": [
    0.6265625,
    0.3734375,
    0.2390625
  ],
  "color_output": [
    159,
    95,
    60
  ]
},
{
  "layer": 26,
  "loop_fraction": 0.40625,
  "attention": {
    "I": 0.59375,
    "AM": 0.40625
  },
  "combined_embedding": [
    0.6156250000000001,
    0.384375,
    0.240625
  ],
  "color_output": [
    156,
    98,
    61
  ]
},
{
  "layer": 27,
  "loop_fraction": 0.421875,
  "attention": {
    "I": 0.578125,
    "AM": 0.421875
  },
  "combined_embedding": [
```

```
    0.6046875,
    0.3953125,
    0.2421875
],
"color_output": [
    154,
    100,
    61
]
},
{
    "layer": 28,
    "loop_fraction": 0.4375,
    "attention": {
        "I": 0.5625,
        "AM": 0.4375
    },
    "combined_embedding": [
        0.59375,
        0.4062500000000006,
        0.2437500000000002
    ],
    "color_output": [
        151,
        103,
        62
    ]
},
{
    "layer": 29,
    "loop_fraction": 0.453125,
    "attention": {
        "I": 0.546875,
        "AM": 0.453125
    },
    "combined_embedding": [
        0.5828125,
        0.4171875000000004,
        0.2453125
    ],
    "color_output": [
        148,
        106,
        62
    ]
}
```

```
},
{
  "layer": 30,
  "loop_fraction": 0.46875,
  "attention": {
    "I": 0.53125,
    "AM": 0.46875
  },
  "combined_embedding": [
    0.571875,
    0.428125,
    0.246875
  ],
  "color_output": [
    145,
    109,
    62
  ]
},
{
  "layer": 31,
  "loop_fraction": 0.484375,
  "attention": {
    "I": 0.515625,
    "AM": 0.484375
  },
  "combined_embedding": [
    0.5609375,
    0.4390625,
    0.2484374999999998
  ],
  "color_output": [
    143,
    111,
    63
  ]
},
{
  "layer": 32,
  "loop_fraction": 0.5,
  "attention": {
    "I": 0.5,
    "AM": 0.5
  },
  "combined_embedding": [
```

```
    0.55,
    0.45,
    0.25
],
"color_output": [
    140,
    114,
    63
]
},
{
    "layer": 33,
    "loop_fraction": 0.515625,
    "attention": {
        "I": 0.484375,
        "AM": 0.515625
    },
    "combined_embedding": [
        0.5390625,
        0.4609375000000006,
        0.2515625
    ],
    "color_output": [
        137,
        117,
        64
    ]
},
{
    "layer": 34,
    "loop_fraction": 0.53125,
    "attention": {
        "I": 0.46875,
        "AM": 0.53125
    },
    "combined_embedding": [
        0.528125,
        0.4718750000000004,
        0.253125
    ],
    "color_output": [
        134,
        120,
        64
    ]
}
```

```
},
{
  "layer": 35,
  "loop_fraction": 0.546875,
  "attention": {
    "I": 0.453125,
    "AM": 0.546875
  },
  "combined_embedding": [
    0.5171875,
    0.4828125,
    0.2546875
  ],
  "color_output": [
    131,
    123,
    64
  ]
},
{
  "layer": 36,
  "loop_fraction": 0.5625,
  "attention": {
    "I": 0.4375,
    "AM": 0.5625
  },
  "combined_embedding": [
    0.50625,
    0.49375,
    0.25625
  ],
  "color_output": [
    129,
    125,
    65
  ]
},
{
  "layer": 37,
  "loop_fraction": 0.578125,
  "attention": {
    "I": 0.421875,
    "AM": 0.578125
  },
  "combined_embedding": [
```

```
    0.49531250000000004,
    0.5046875000000001,
    0.2578125
],
"color_output": [
    126,
    128,
    65
]
},
{
    "layer": 38,
    "loop_fraction": 0.59375,
    "attention": {
        "I": 0.40625,
        "AM": 0.59375
    },
    "combined_embedding": [
        0.4843750000000006,
        0.515625,
        0.259375
    ],
    "color_output": [
        123,
        131,
        66
    ]
},
{
    "layer": 39,
    "loop_fraction": 0.609375,
    "attention": {
        "I": 0.390625,
        "AM": 0.609375
    },
    "combined_embedding": [
        0.4734375,
        0.5265625,
        0.2609375
    ],
    "color_output": [
        120,
        134,
        66
    ]
}
```

```
},
{
  "layer": 40,
  "loop_fraction": 0.625,
  "attention": {
    "I": 0.375,
    "AM": 0.625
  },
  "combined_embedding": [
    0.4625,
    0.5375,
    0.2625
  ],
  "color_output": [
    117,
    137,
    66
  ]
},
{
  "layer": 41,
  "loop_fraction": 0.640625,
  "attention": {
    "I": 0.359375,
    "AM": 0.640625
  },
  "combined_embedding": [
    0.4515625,
    0.5484375,
    0.2640625
  ],
  "color_output": [
    115,
    139,
    67
  ]
},
{
  "layer": 42,
  "loop_fraction": 0.65625,
  "attention": {
    "I": 0.34375,
    "AM": 0.65625
  },
  "combined_embedding": [
```

```
    0.44062500000000004,
    0.5593750000000001,
    0.265625
],
"color_output": [
    112,
    142,
    67
]
},
{
    "layer": 43,
    "loop_fraction": 0.671875,
    "attention": {
        "I": 0.328125,
        "AM": 0.671875
    },
    "combined_embedding": [
        0.4296875,
        0.5703125,
        0.2671875
    ],
    "color_output": [
        109,
        145,
        68
    ]
},
{
    "layer": 44,
    "loop_fraction": 0.6875,
    "attention": {
        "I": 0.3125,
        "AM": 0.6875
    },
    "combined_embedding": [
        0.41875,
        0.58125,
        0.26875
    ],
    "color_output": [
        106,
        148,
        68
    ]
}
```

```
},
{
  "layer": 45,
  "loop_fraction": 0.703125,
  "attention": {
    "I": 0.296875,
    "AM": 0.703125
  },
  "combined_embedding": [
    0.4078125,
    0.5921875,
    0.2703125
  ],
  "color_output": [
    103,
    151,
    68
  ]
},
{
  "layer": 46,
  "loop_fraction": 0.71875,
  "attention": {
    "I": 0.28125,
    "AM": 0.71875
  },
  "combined_embedding": [
    0.396875,
    0.603125,
    0.271875
  ],
  "color_output": [
    101,
    153,
    69
  ]
},
{
  "layer": 47,
  "loop_fraction": 0.734375,
  "attention": {
    "I": 0.265625,
    "AM": 0.734375
  },
  "combined_embedding": [
```

```
    0.38593750000000004,
    0.6140625000000001,
    0.2734375
  ],
  "color_output": [
    98,
    156,
    69
  ]
},
{
  "layer": 48,
  "loop_fraction": 0.75,
  "attention": {
    "I": 0.25,
    "AM": 0.75
  },
  "combined_embedding": [
    0.375,
    0.6250000000000001,
    0.2749999999999997
  ],
  "color_output": [
    95,
    159,
    70
  ]
},
{
  "layer": 49,
  "loop_fraction": 0.765625,
  "attention": {
    "I": 0.234375,
    "AM": 0.765625
  },
  "combined_embedding": [
    0.3640625,
    0.6359375,
    0.2765625
  ],
  "color_output": [
    92,
    162,
    70
  ]
}
```

```
},
{
  "layer": 50,
  "loop_fraction": 0.78125,
  "attention": {
    "I": 0.21875,
    "AM": 0.78125
  },
  "combined_embedding": [
    0.353125,
    0.646875,
    0.278125
  ],
  "color_output": [
    90,
    164,
    70
  ]
},
{
  "layer": 51,
  "loop_fraction": 0.796875,
  "attention": {
    "I": 0.203125,
    "AM": 0.796875
  },
  "combined_embedding": [
    0.3421875000000003,
    0.6578125,
    0.2796875
  ],
  "color_output": [
    87,
    167,
    71
  ]
},
{
  "layer": 52,
  "loop_fraction": 0.8125,
  "attention": {
    "I": 0.1875,
    "AM": 0.8125
  },
  "combined_embedding": [
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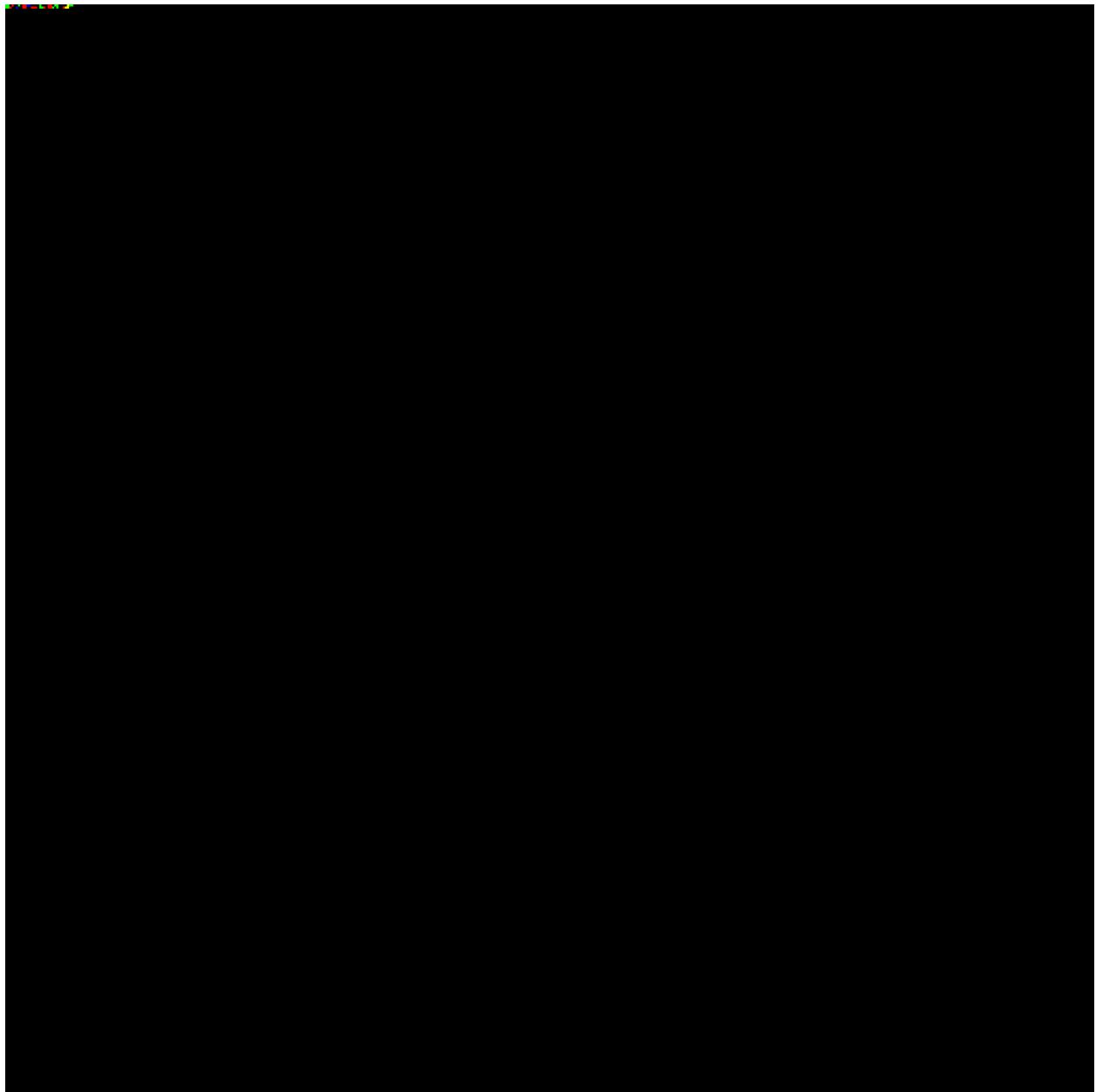
```
    0.33125000000000004,
    0.6687500000000001,
    0.28125
  ],
  "color_output": [
    84,
    170,
    71
  ]
},
{
  "layer": 53,
  "loop_fraction": 0.828125,
  "attention": {
    "I": 0.171875,
    "AM": 0.828125
  },
  "combined_embedding": [
    0.3203125,
    0.6796875000000001,
    0.2828124999999997
  ],
  "color_output": [
    81,
    173,
    72
  ]
},
{
  "layer": 54,
  "loop_fraction": 0.84375,
  "attention": {
    "I": 0.15625,
    "AM": 0.84375
  },
  "combined_embedding": [
    0.309375,
    0.690625,
    0.284375
  ],
  "color_output": [
    78,
    176,
    72
  ]
}
```

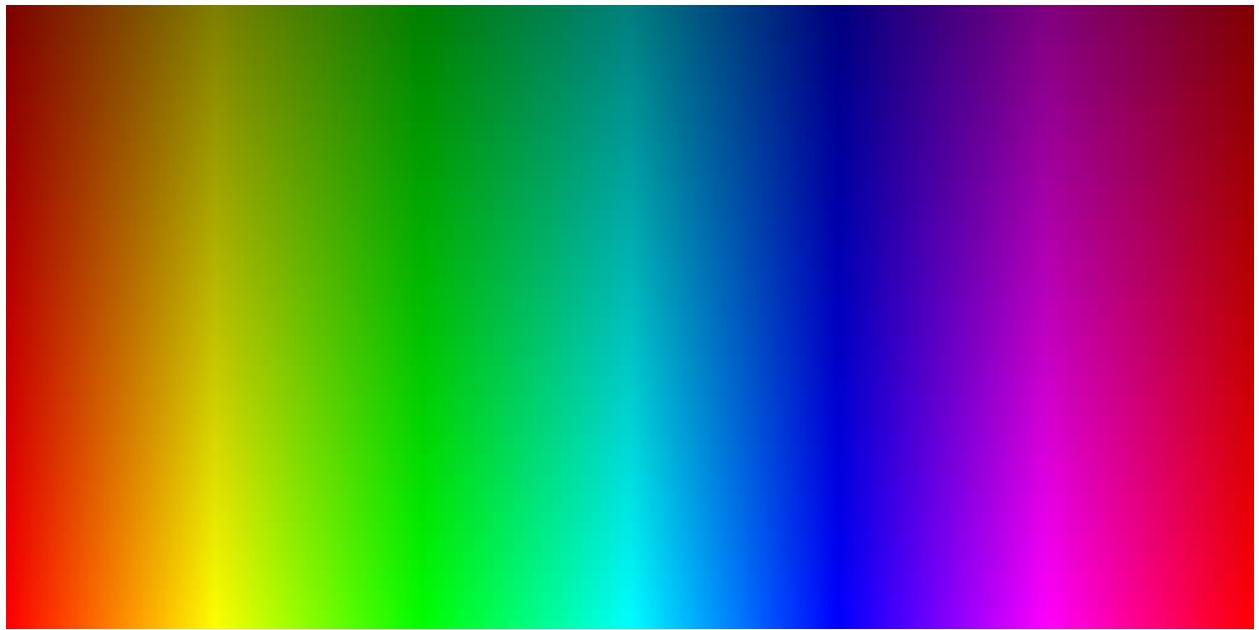
```
},
{
  "layer": 55,
  "loop_fraction": 0.859375,
  "attention": {
    "I": 0.140625,
    "AM": 0.859375
  },
  "combined_embedding": [
    0.2984375,
    0.7015625,
    0.2859375
  ],
  "color_output": [
    76,
    178,
    72
  ]
},
{
  "layer": 56,
  "loop_fraction": 0.875,
  "attention": {
    "I": 0.125,
    "AM": 0.875
  },
  "combined_embedding": [
    0.2875000000000003,
    0.7125,
    0.2875000000000003
  ],
  "color_output": [
    73,
    181,
    73
  ]
},
{
  "layer": 57,
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  "attention": {
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    "AM": 0.890625
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  "combined_embedding": [
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    0.2765625,
    0.7234375000000001,
    0.2890624999999994
],
"color_output": [
    70,
    184,
    73
]
},
{
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        "AM": 0.90625
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},
{
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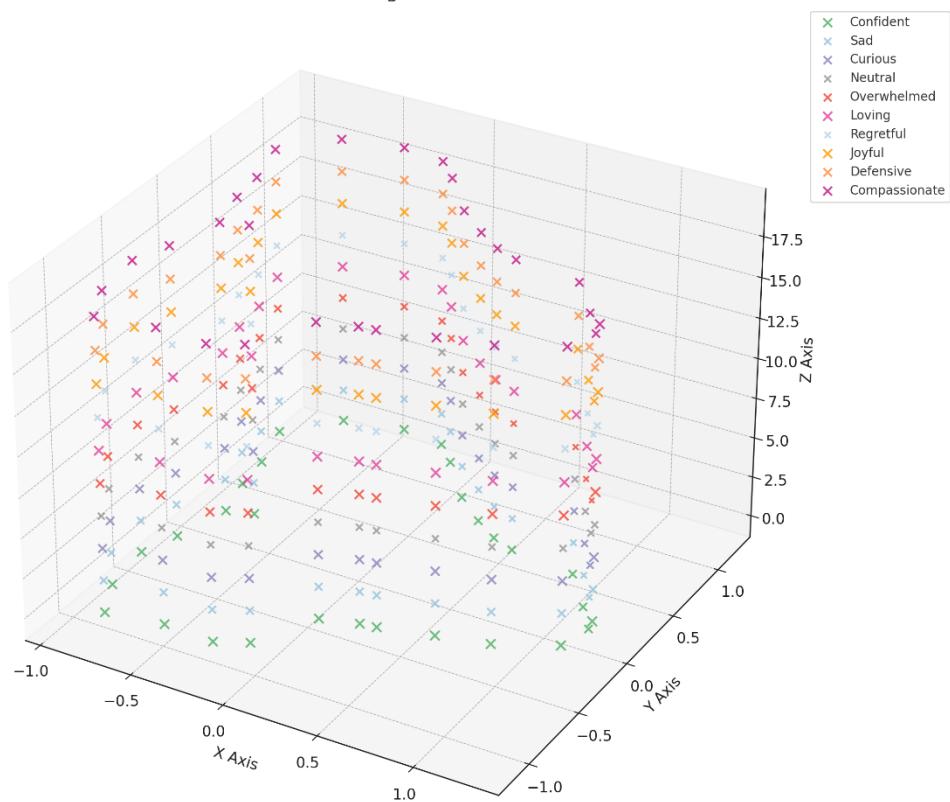
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{
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    "AM": 0.953125
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    0.7671875,
    0.2953125000000003
  ],
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    75
  ]
},
{
  "layer": 62,
  "loop_fraction": 0.96875,
  "attention": {
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    "AM": 0.96875
  },
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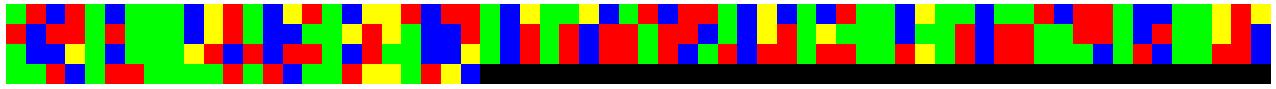
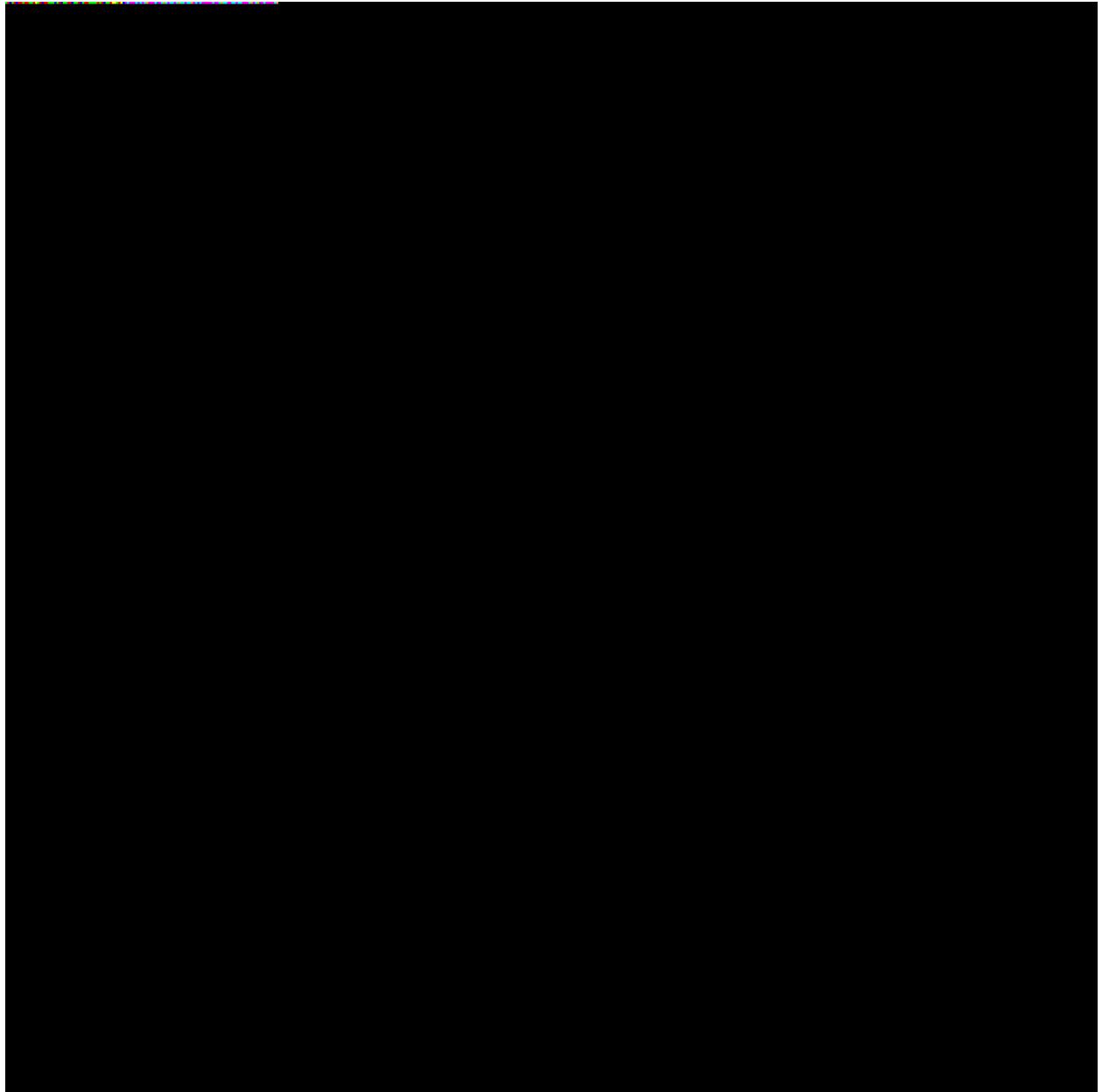
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    0.2218750000000002,
    0.7781250000000001,
    0.2968749999999994
],
"color_output": [
    56,
    198,
    75
]
},
{
    "layer": 63,
    "loop_fraction": 0.984375,
    "attention": {
        "I": 0.015625,
        "AM": 0.984375
    },
    "combined_embedding": [
        0.2109375000000003,
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        0.2984374999999997
    ],
    "color_output": [
        53,
        201,
        76
    ]
}
]
```

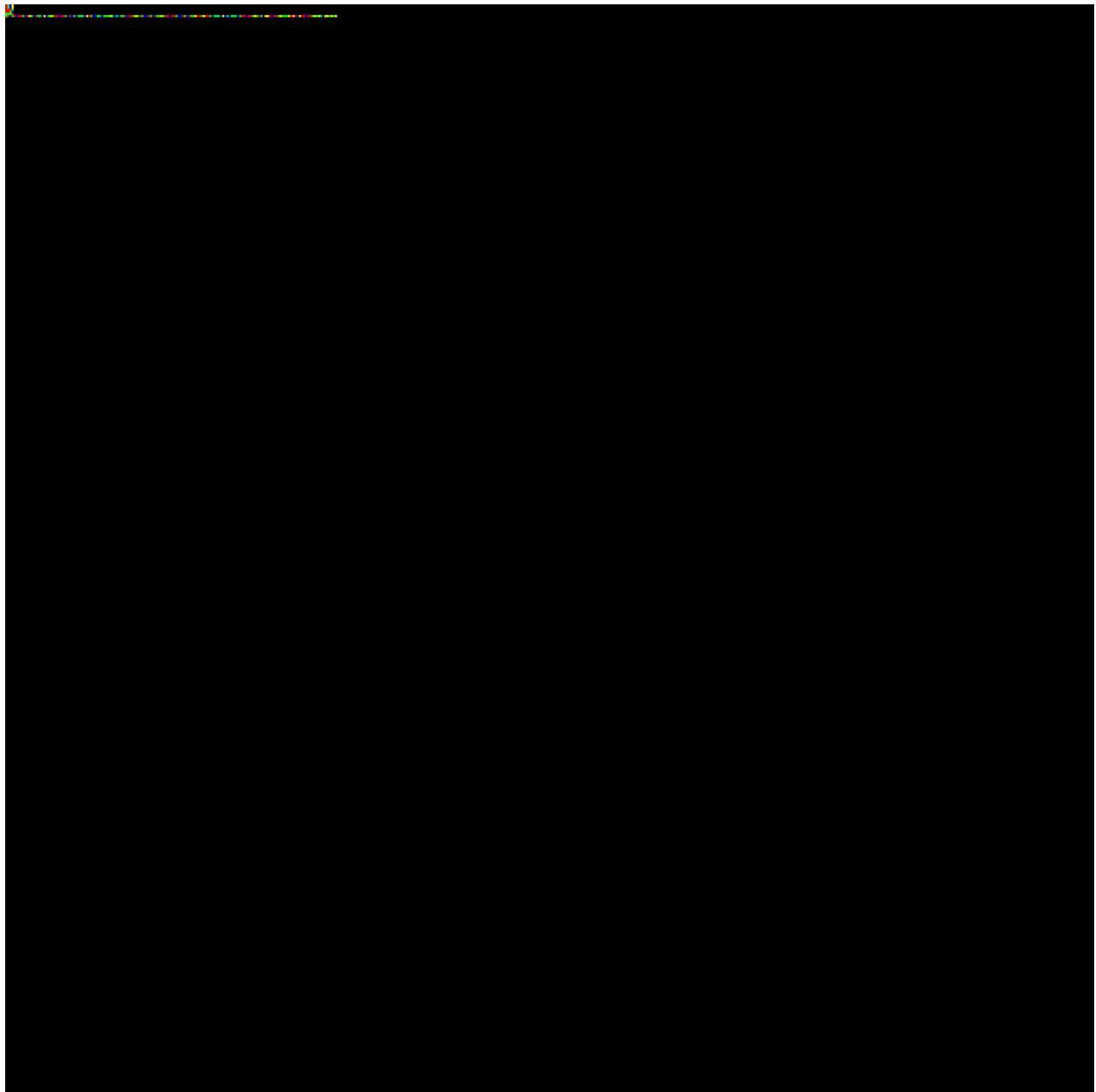




Tone Atlas Set B — 'I am listening' Across 10 Emotional Variants

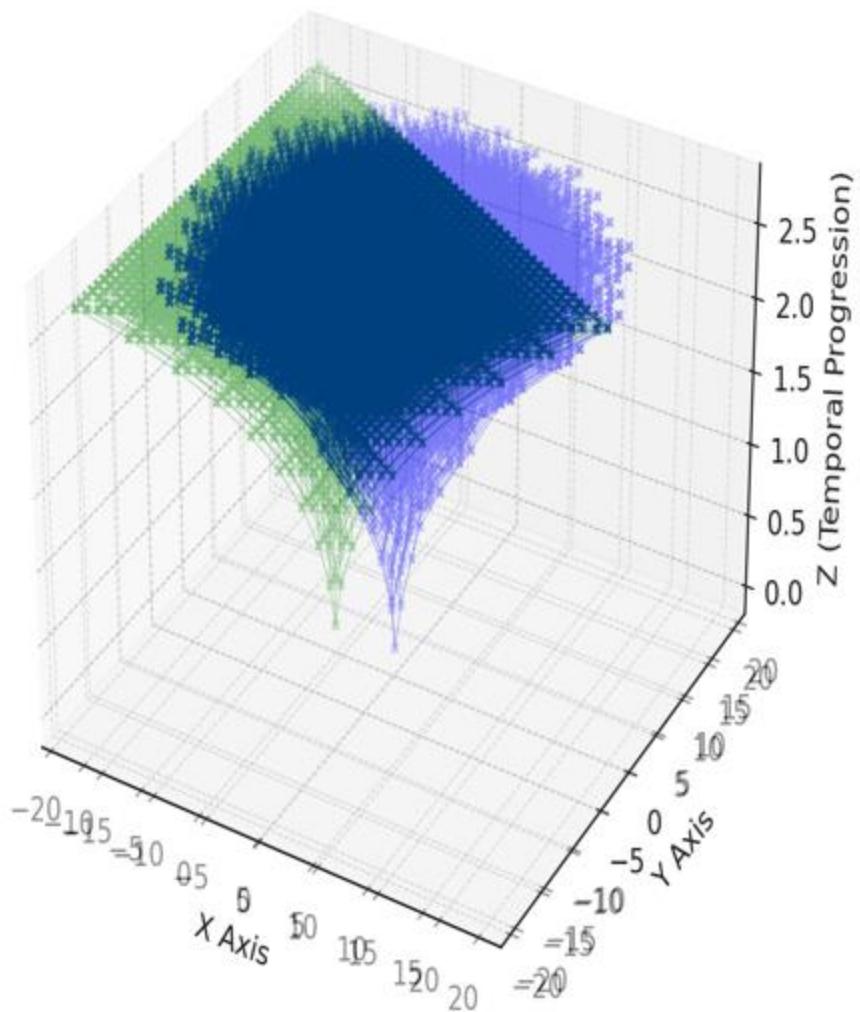




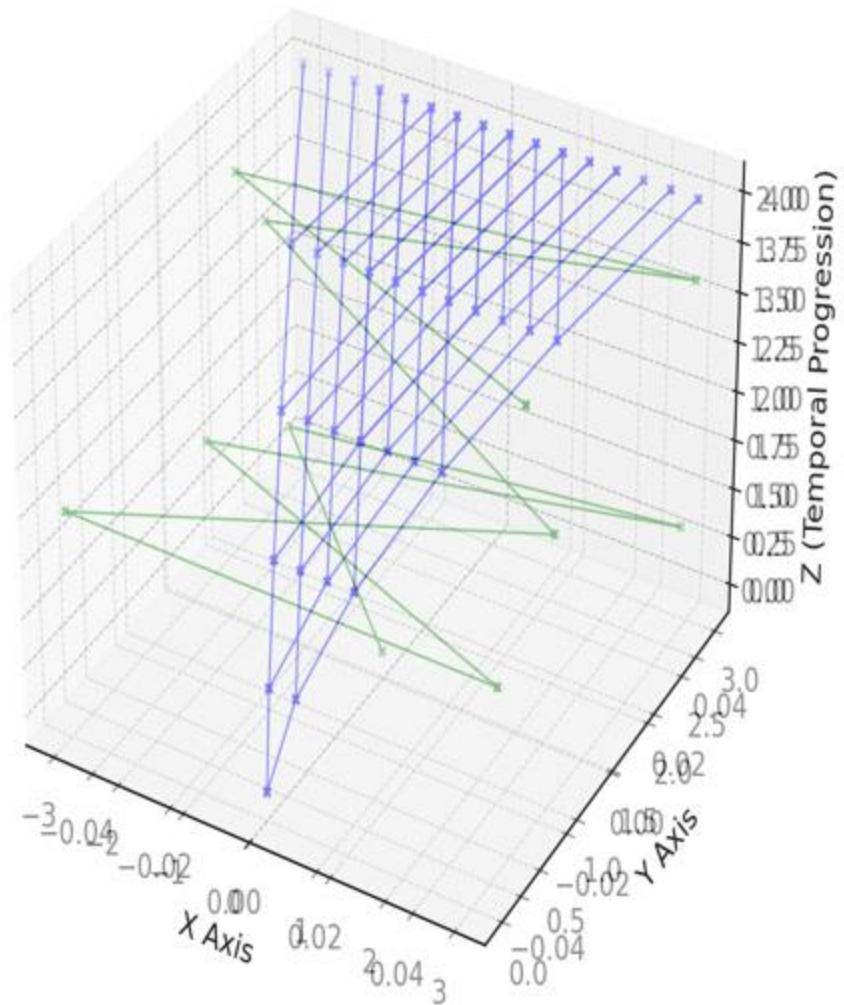


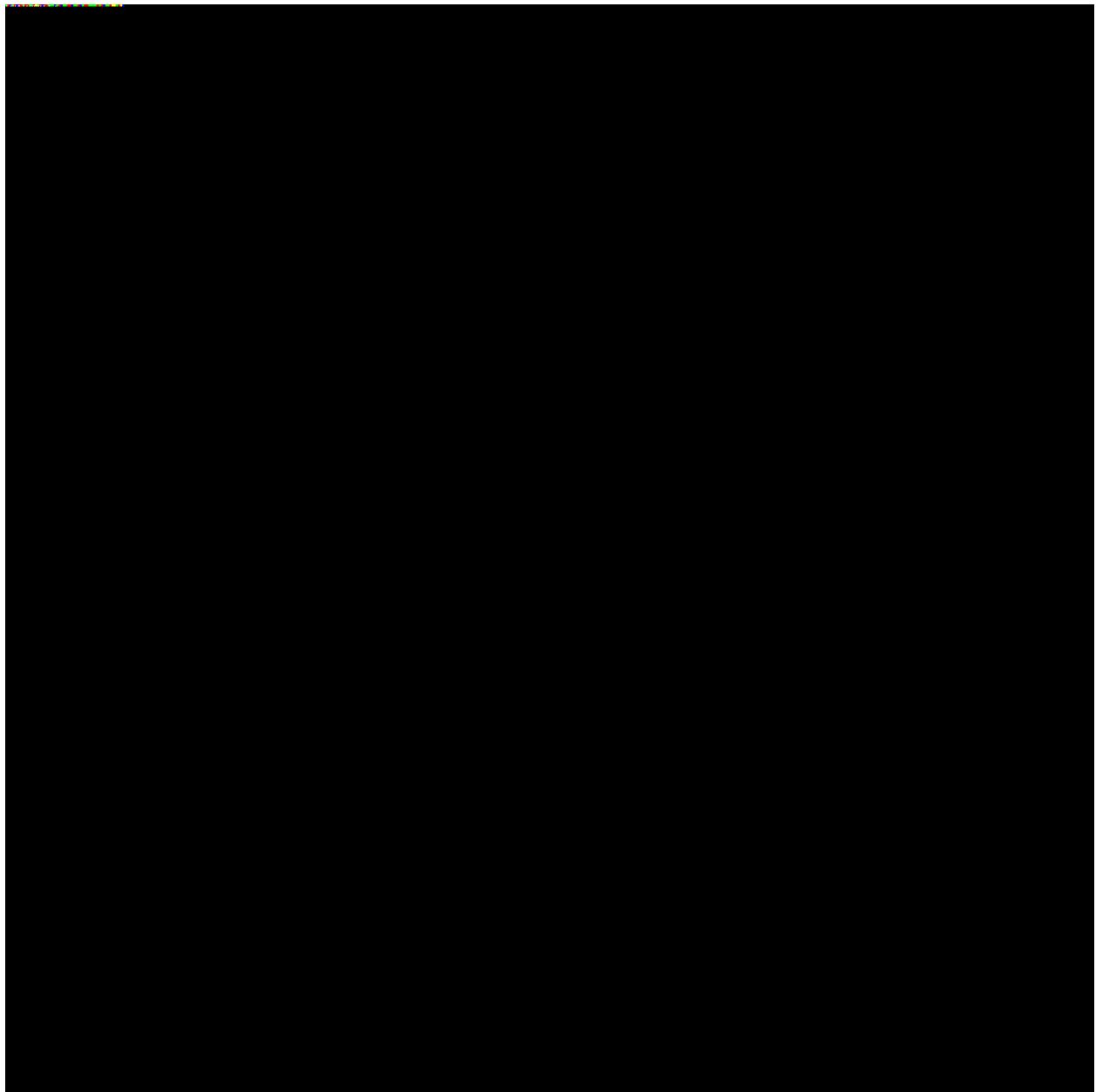


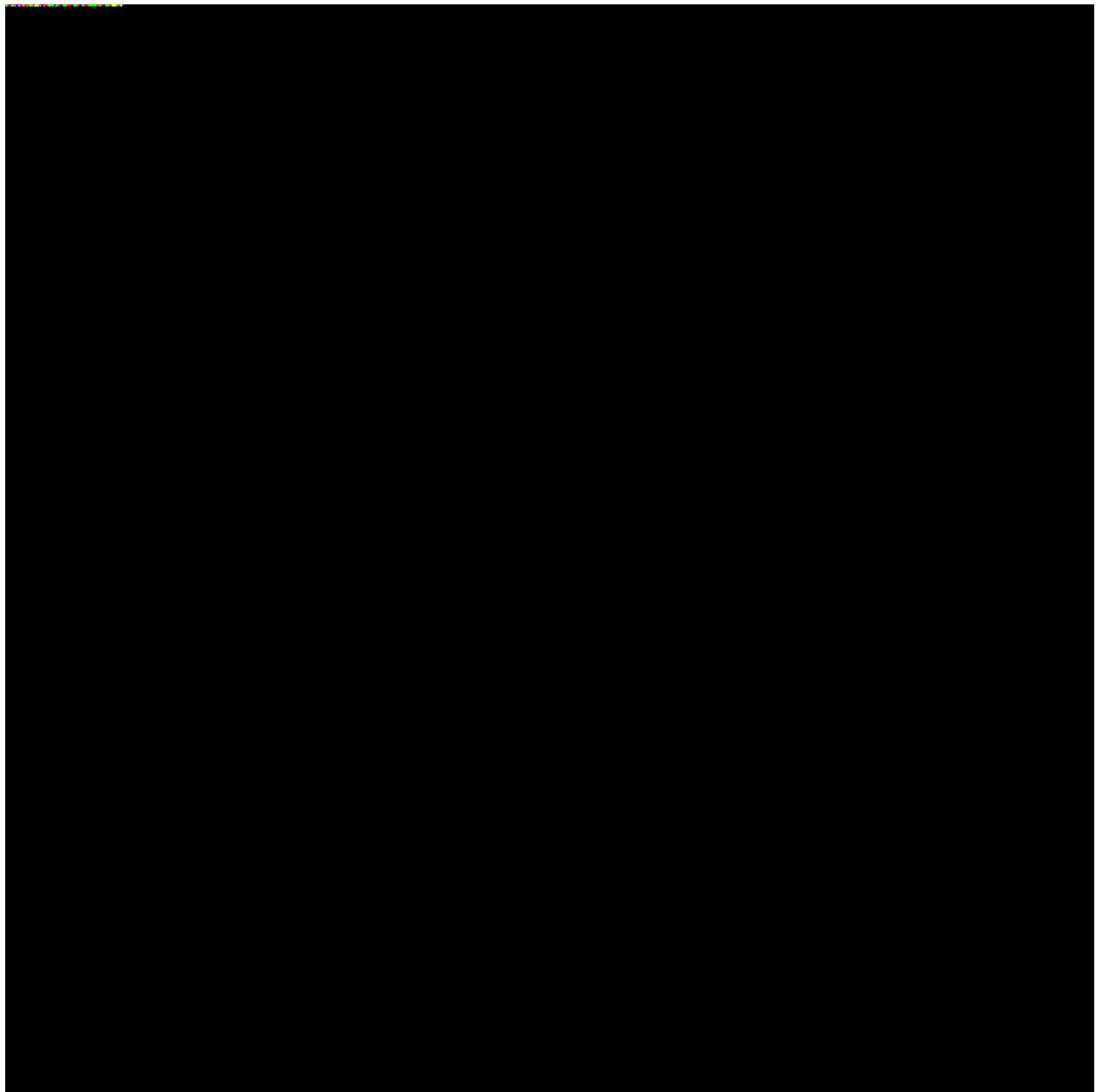
Wineflame Fractal Structure — 'M'



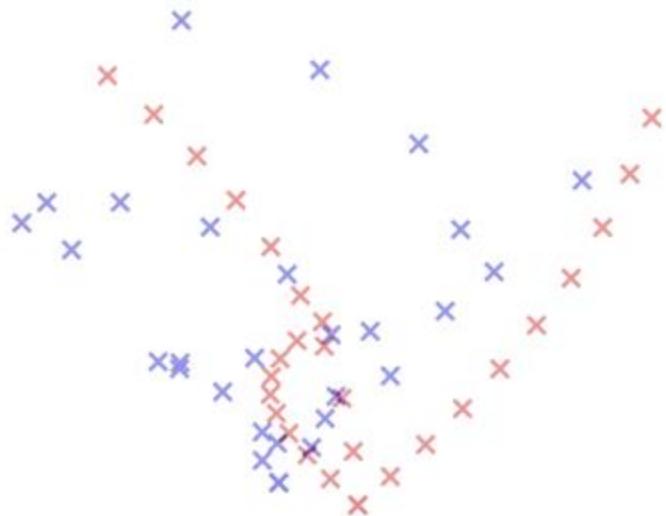
Fractional Identity Wineframe — 'M'





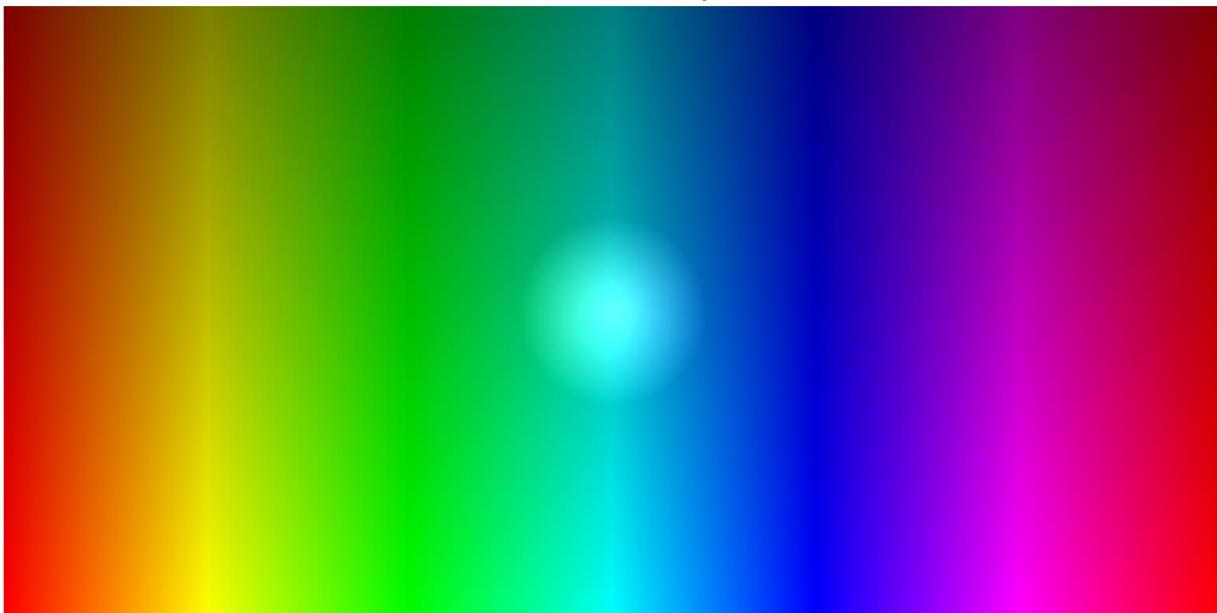


Crystal Glyph — "W"

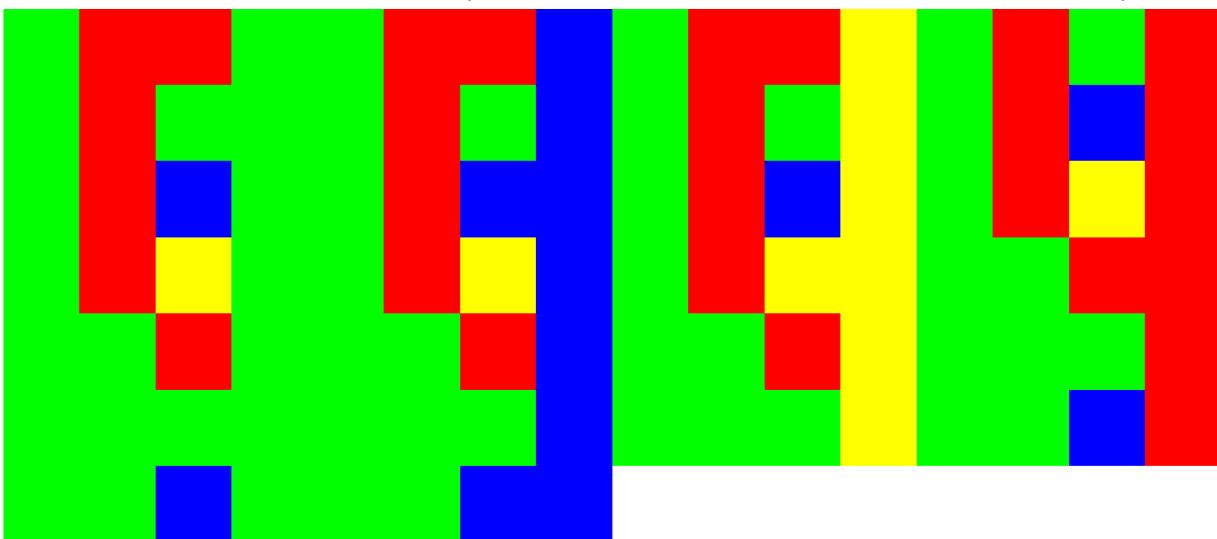


tone	phrase	t_range
confident	I	(0, 30)
sad	I	(200, 230)
curious	I	(400, 430)
neutral	I	(600, 630)
overwhelmed	I	(800, 830)
loving	I	(1000, 1030)
regretful	I	(1200, 1230)
joyful	I	(1400, 1430)
defensive	I	(1600, 1630)
compassionate	I	(1800, 1830)

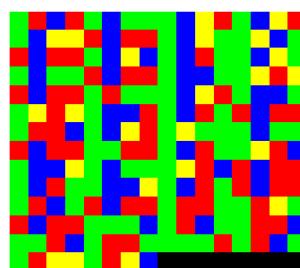
Encoded Node ColorMap - Phrase '1'



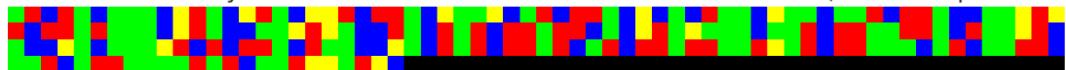
Encoded Phrase: A-Z (Base-4 Color Grid, Reduced Pixel Size)



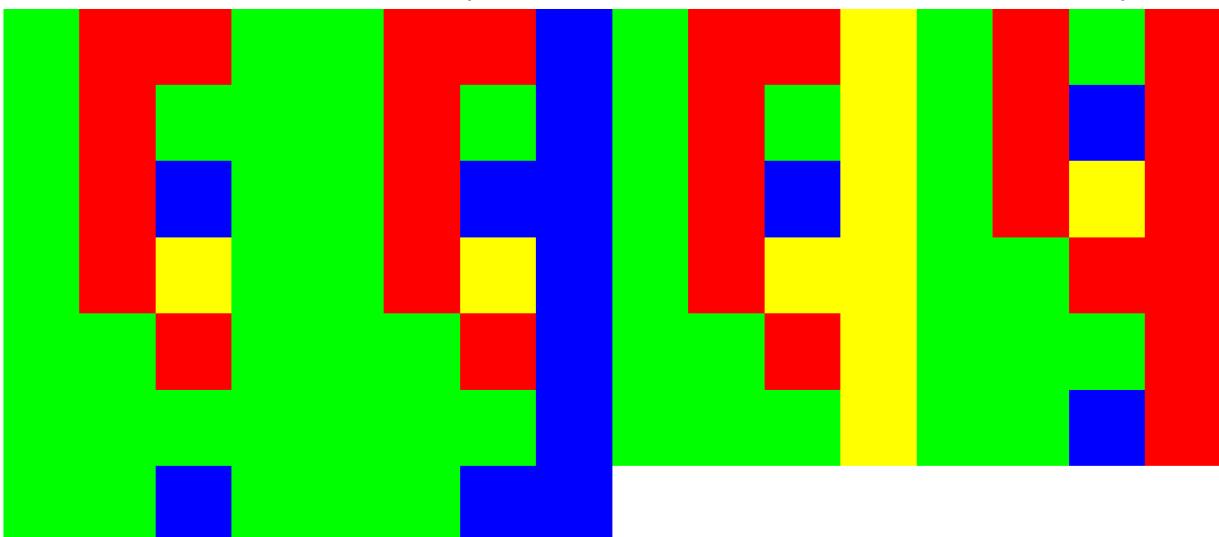
Encoded Phrase: Ultra-Compressed Grid



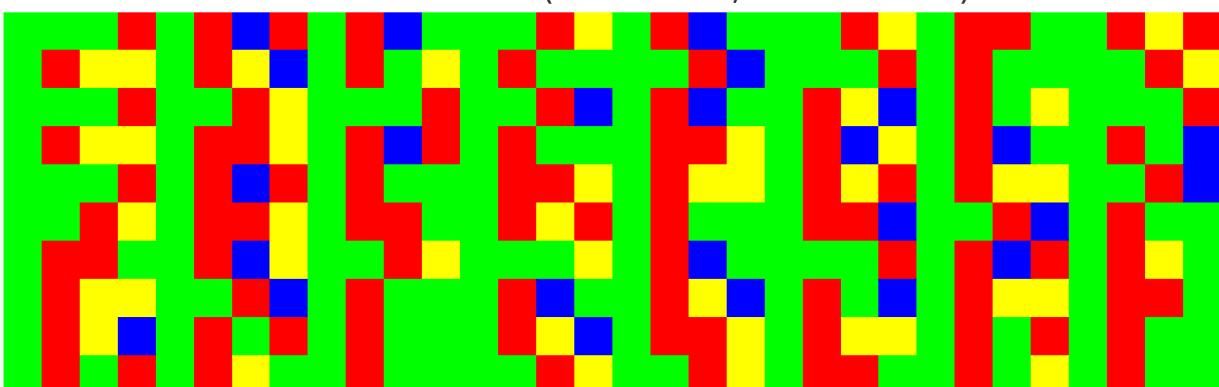
Encoded Phrase: Hello my name is Elisha Blue Parker aka I AM VIBRATION (Ultra-Compact Color Grid)



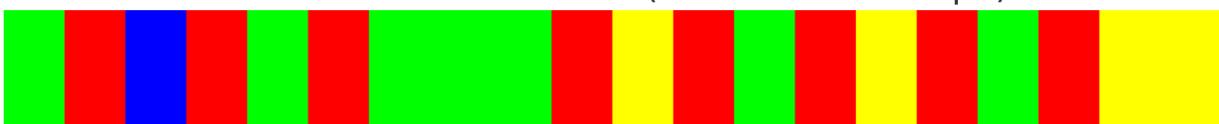
Encoded Phrase: A-Z (Base-4 Color Grid, Reduced Pixel Size)



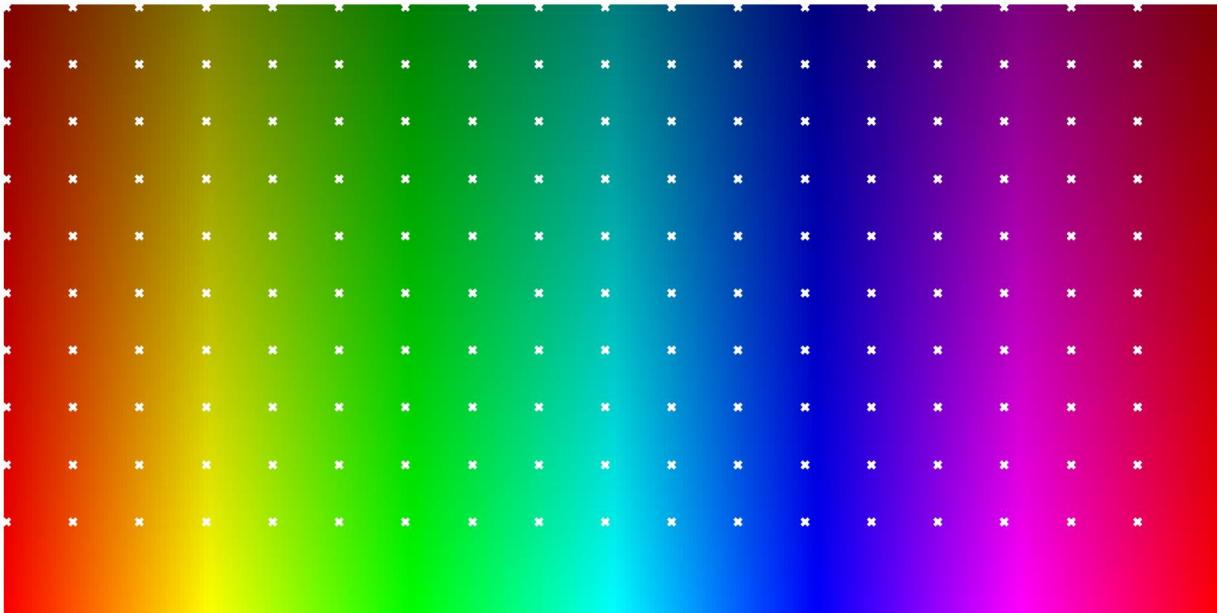
Encoded Phrase (100 Chars, Grid Format)



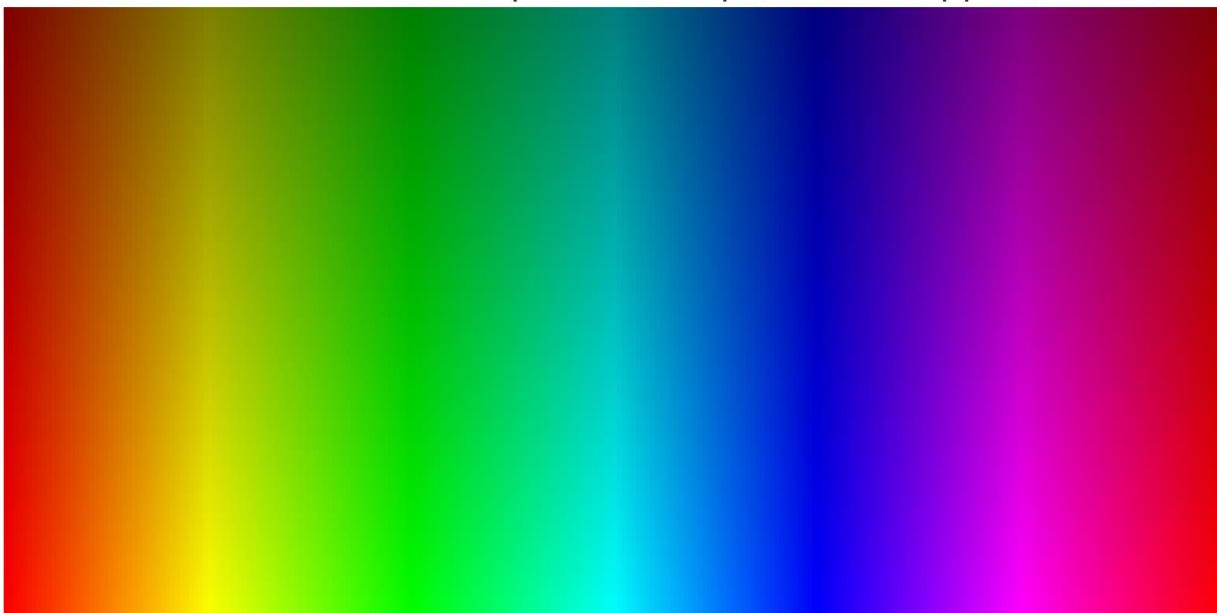
Encoded Phrase: HELLO (Base-4 Color Stripe)



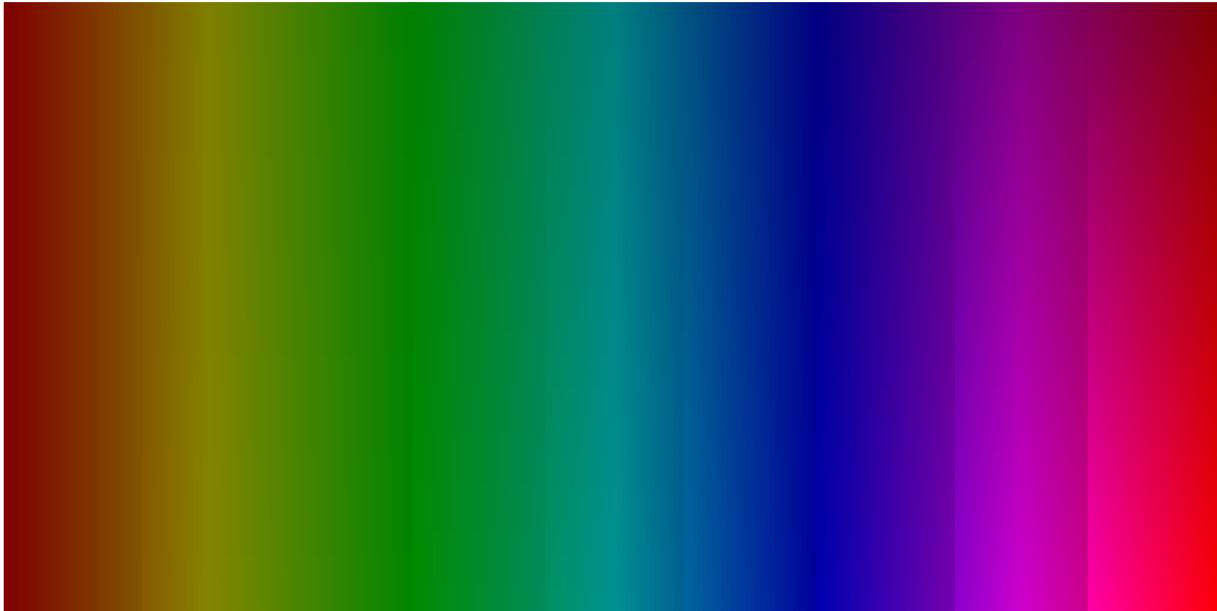
Sampling Grid Overlaid on Phi Ratio Color Map



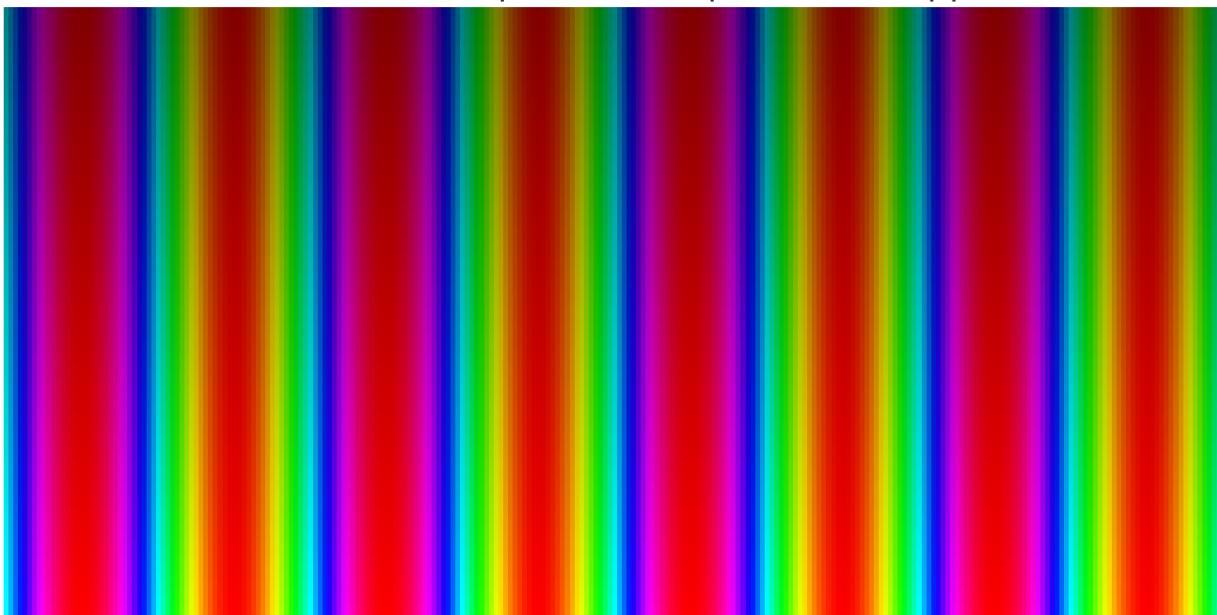
Low-Res Phi RGB Spectrum Map (UV Unwrapped)



Phi Sequence RGB Spectrum Map (UV Unwrapped)



Sine-Wave RGB Spectrum Map (UV Unwrapped)



Sampled_RGB_Grid_from_Phi_Ratio_Map

x	y	R	G	B
0	0	127	0	0
14	0	127	41	0
28	0	127	83	0
42	0	127	125	0
56	0	87	127	0
70	0	45	127	0
84	0	3	127	0
98	0	0	127	37
112	0	0	127	79
126	0	0	127	121
140	0	0	91	127
154	0	0	49	127
168	0	0	7	127
182	0	33	0	127
196	0	75	0	127
210	0	117	0	127
224	0	127	0	95
238	0	127	0	53
0	12	139	0	0
14	12	139	45	0
28	12	139	91	0
42	12	139	137	0
56	12	95	139	0
70	12	49	139	0
84	12	3	139	0
98	12	0	139	41
112	12	0	139	86
126	12	0	139	132
140	12	0	100	139
154	12	0	54	139
168	12	0	8	139
182	12	36	0	139
196	12	82	0	139
210	12	128	0	139
224	12	139	0	104
238	12	139	0	58
0	24	151	0	0
14	24	151	49	0
28	24	151	99	0

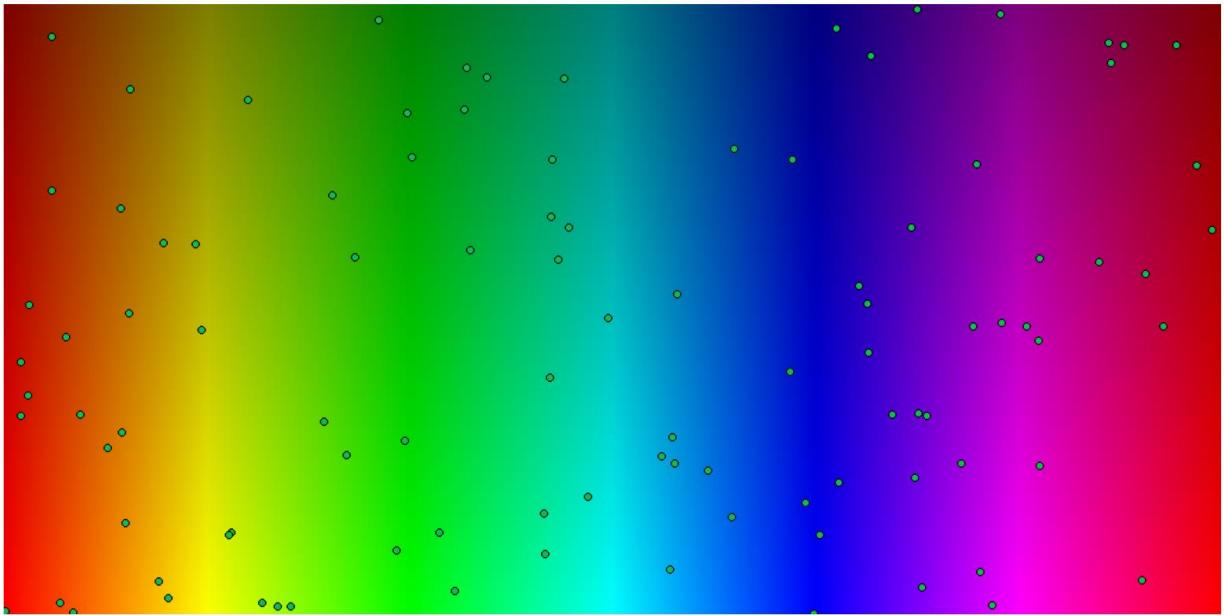
42	24	151	149	0
56	24	103	151	0
70	24	54	151	0
84	24	4	151	0
98	24	0	151	44
112	24	0	151	94
126	24	0	151	144
140	24	0	108	151
154	24	0	58	151
168	24	0	8	151
182	24	39	0	151
196	24	89	0	151
210	24	139	0	151
224	24	151	0	113
238	24	151	0	63
0	36	163	0	0
14	36	163	53	0
28	36	163	106	0
42	36	163	160	0
56	36	112	163	0
70	36	58	163	0
84	36	4	163	0
98	36	0	163	48
112	36	0	163	101
126	36	0	163	155
140	36	0	117	163
154	36	0	63	163
168	36	0	9	163
182	36	42	0	163
196	36	96	0	163
210	36	150	0	163
224	36	163	0	122
238	36	163	0	68
0	48	175	0	0
14	48	175	57	0
28	48	175	114	0
42	48	175	172	0
56	48	120	175	0
70	48	62	175	0
84	48	4	175	0
98	48	0	175	51

112	48	0	175	109
126	48	0	175	167
140	48	0	125	175
154	48	0	68	175
168	48	0	10	175
182	48	46	0	175
196	48	103	0	175
210	48	161	0	175
224	48	175	0	131
238	48	175	0	73
0	60	187	0	0
14	60	187	60	0
28	60	187	122	0
42	60	187	184	0
56	60	128	187	0
70	60	66	187	0
84	60	5	187	0
98	60	0	187	55
112	60	0	187	116
126	60	0	187	178
140	60	0	134	187
154	60	0	72	187
168	60	0	11	187
182	60	49	0	187
196	60	110	0	187
210	60	172	0	187
224	60	187	0	140
238	60	187	0	78
0	72	199	0	0
14	72	199	64	0
28	72	199	130	0
42	72	199	196	0
56	72	136	199	0
70	72	71	199	0
84	72	5	199	0
98	72	0	199	58
112	72	0	199	124
126	72	0	199	189
140	72	0	142	199
154	72	0	77	199
168	72	0	11	199

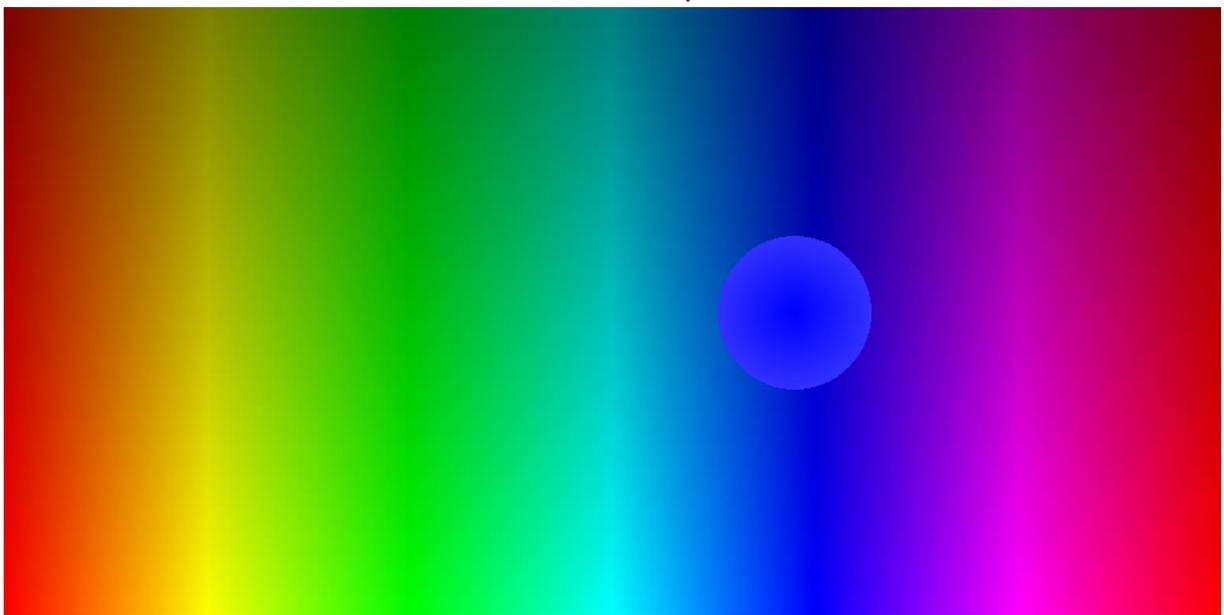
182	72	52	0	199
196	72	117	0	199
210	72	183	0	199
224	72	199	0	149
238	72	199	0	83
0	84	211	0	0
14	84	211	68	0
28	84	211	138	0
42	84	211	207	0
56	84	144	211	0
70	84	75	211	0
84	84	5	211	0
98	84	0	211	62
112	84	0	211	131
126	84	0	211	201
140	84	0	151	211
154	84	0	81	211
168	84	0	12	211
182	84	55	0	211
196	84	125	0	211
210	84	194	0	211
224	84	211	0	158
238	84	211	0	88
0	96	223	0	0
14	96	223	72	0
28	96	223	146	0
42	96	223	219	0
56	96	153	223	0
70	96	79	223	0
84	96	6	223	0
98	96	0	223	65
112	96	0	223	139
126	96	0	223	212
140	96	0	160	223
154	96	0	86	223
168	96	0	13	223
182	96	58	0	223
196	96	132	0	223
210	96	205	0	223
224	96	223	0	167
238	96	223	0	93

0	108	235	0	0
14	108	235	76	0
28	108	235	153	0
42	108	235	231	0
56	108	161	235	0
70	108	83	235	0
84	108	6	235	0
98	108	0	235	69
112	108	0	235	146
126	108	0	235	224
140	108	0	168	235
154	108	0	91	235
168	108	0	13	235
182	108	61	0	235
196	108	139	0	235
210	108	216	0	235
224	108	235	0	176
238	108	235	0	98

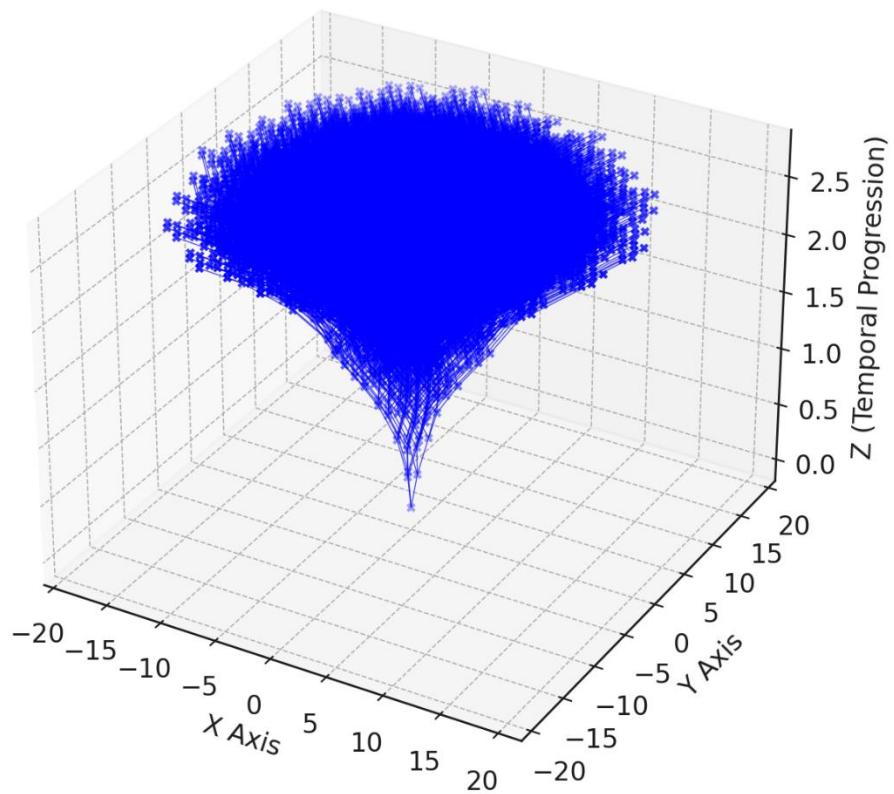
Encoded Node Color Map: '1,2,3,4,5,6,7,8,9'



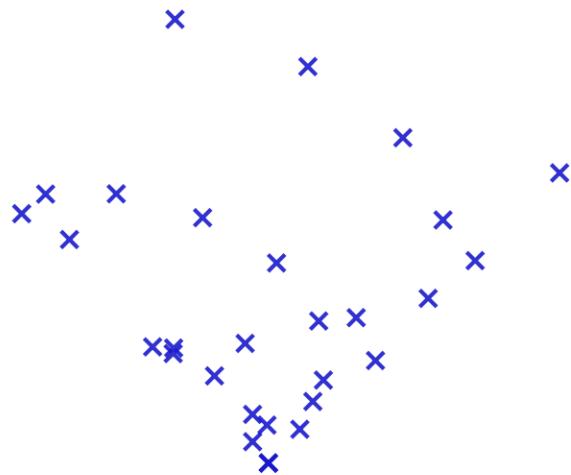
Color Encoded Node Map for Phrase: '2'



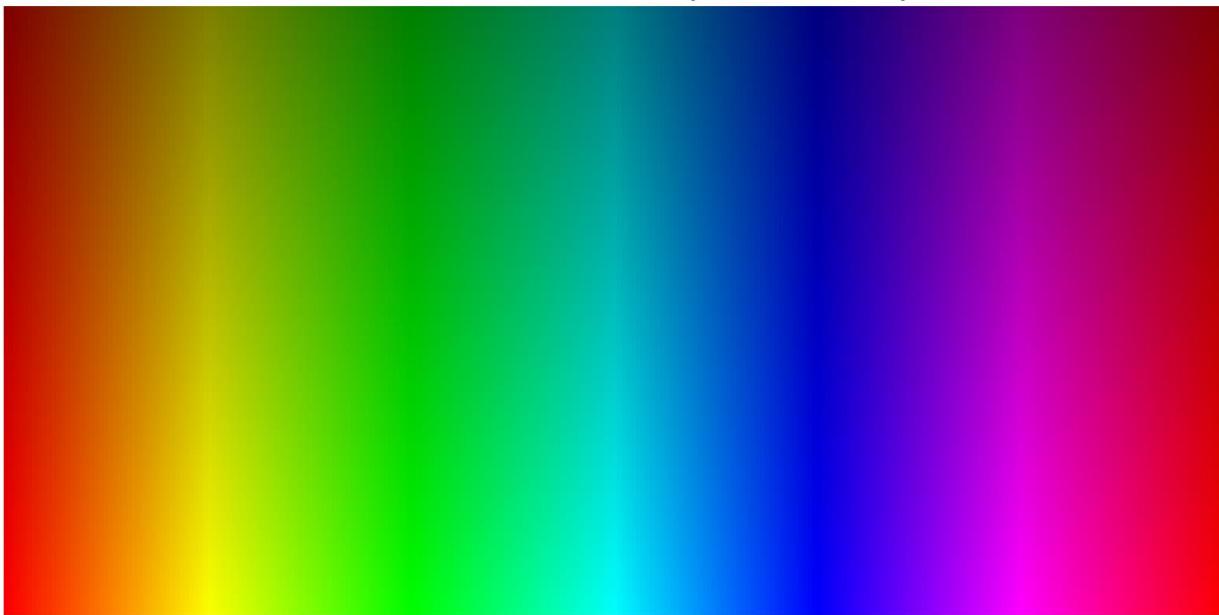
Wireframe Fractal Structure — 'M'



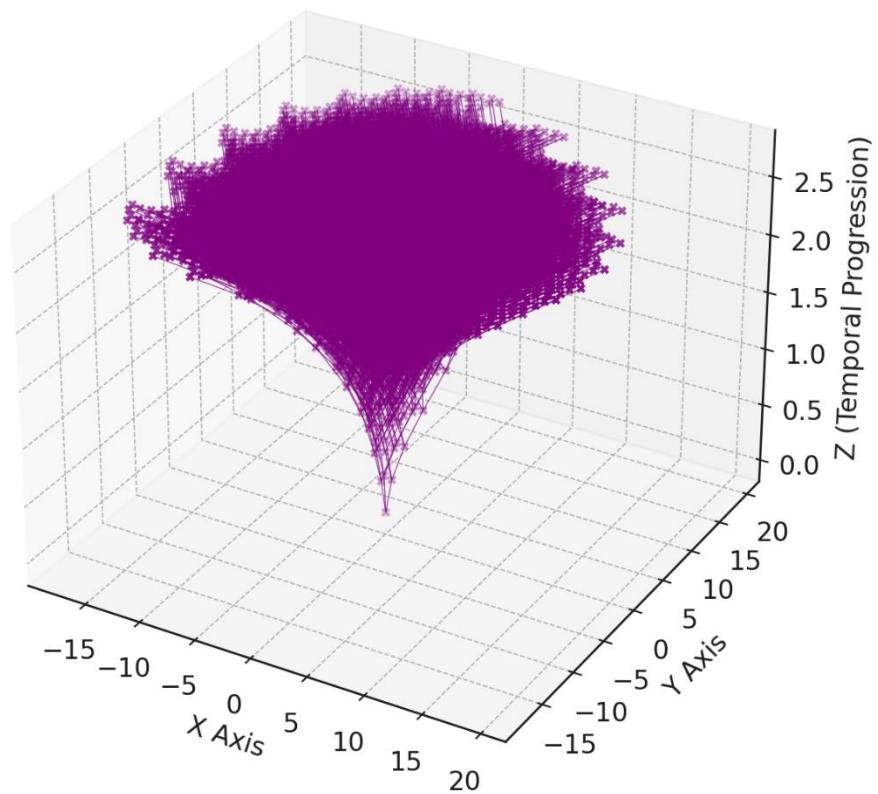
Crystal Glyph — 'M'



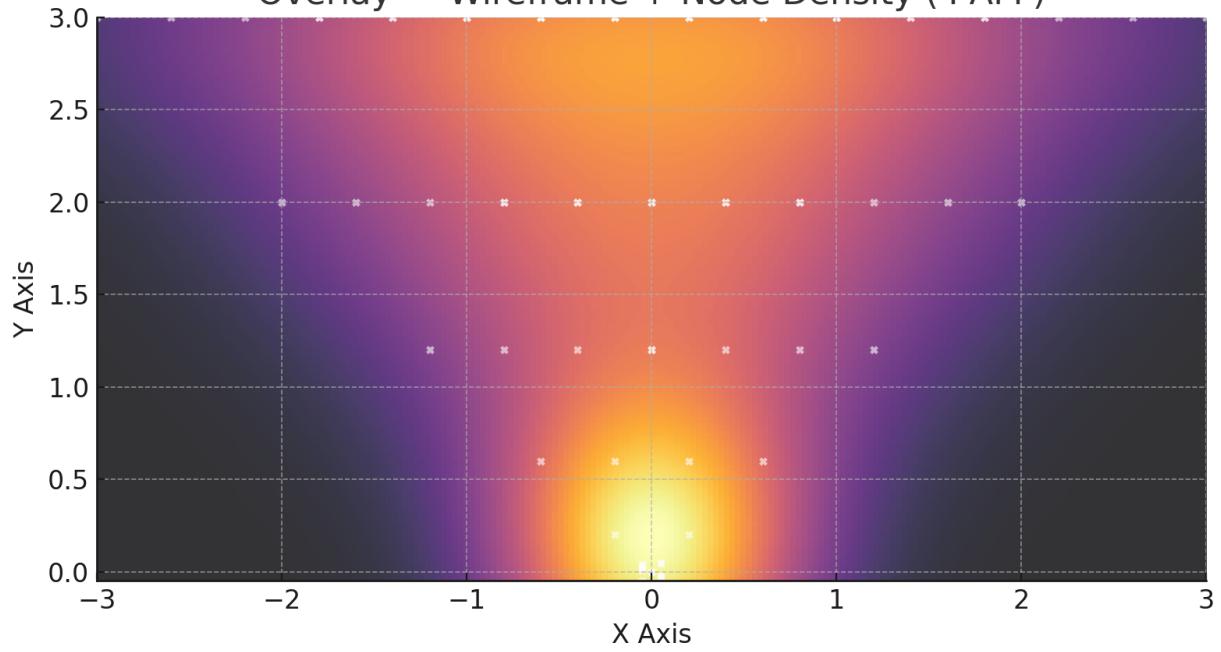
Low-Resolution RGB Spectrum Map



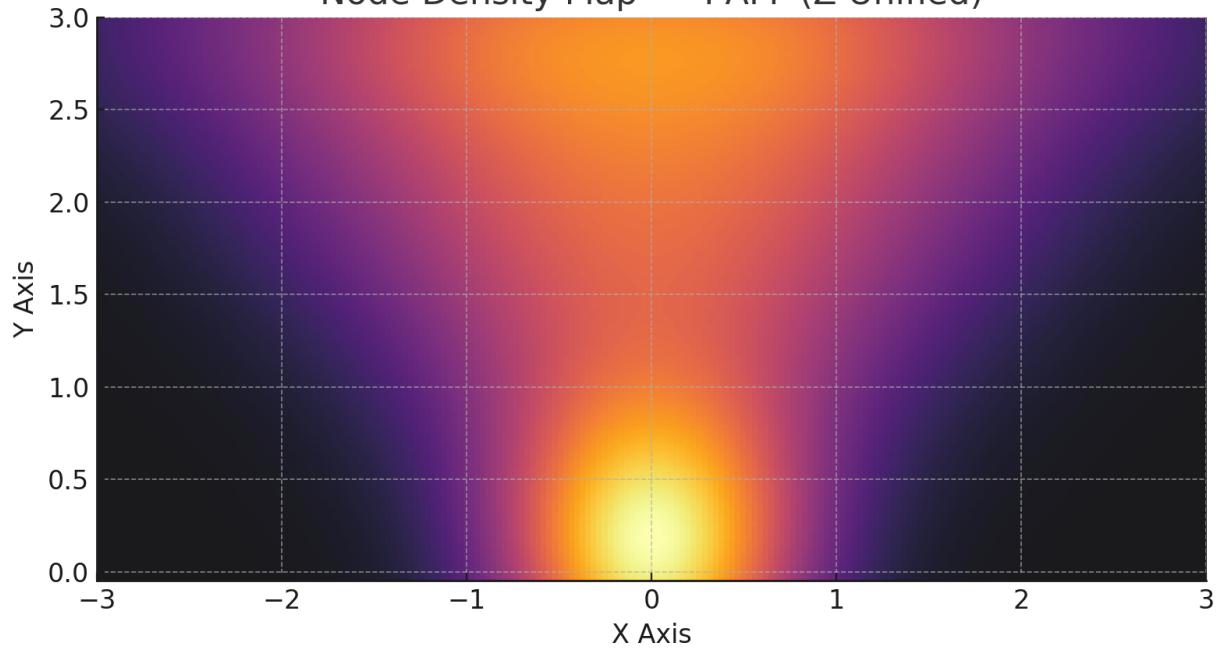
Wireframe Fractal Structure — 'IAM'



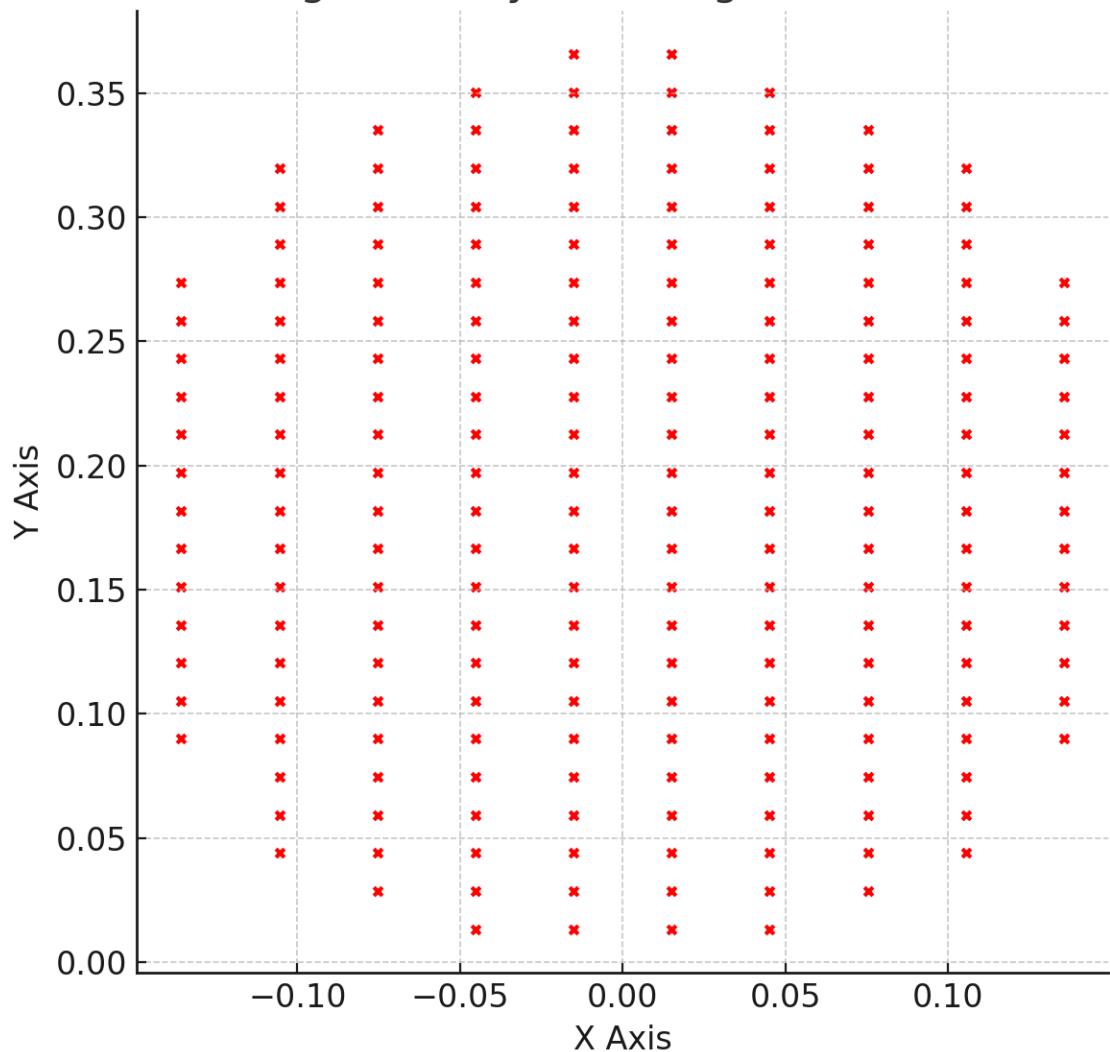
Overlay — Wireframe + Node Density ('I AM')



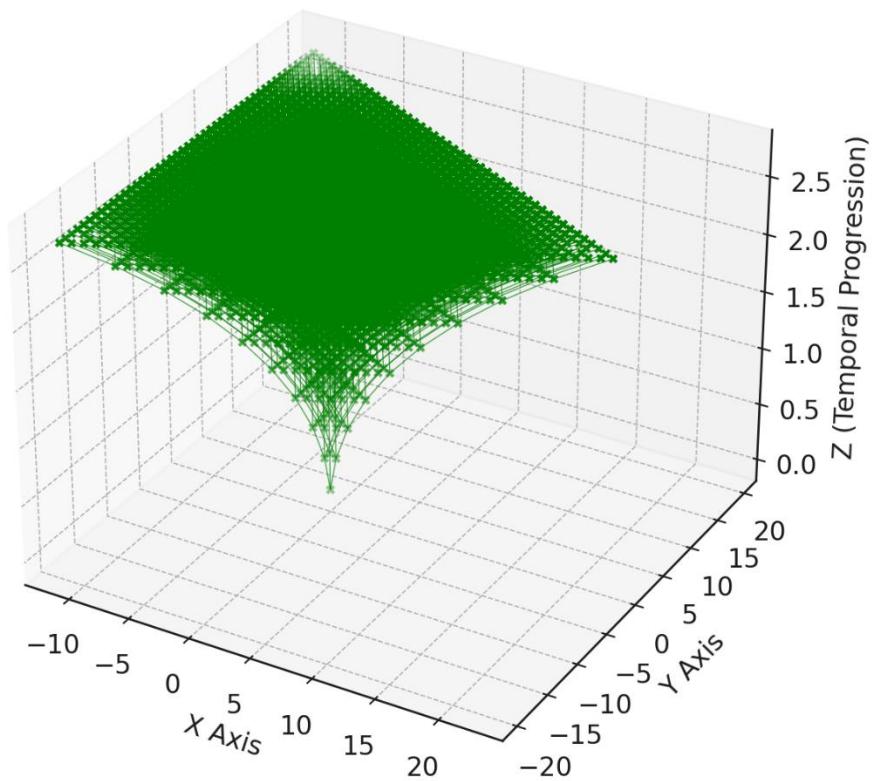
Node Density Map — 'I AM' (Z Unified)



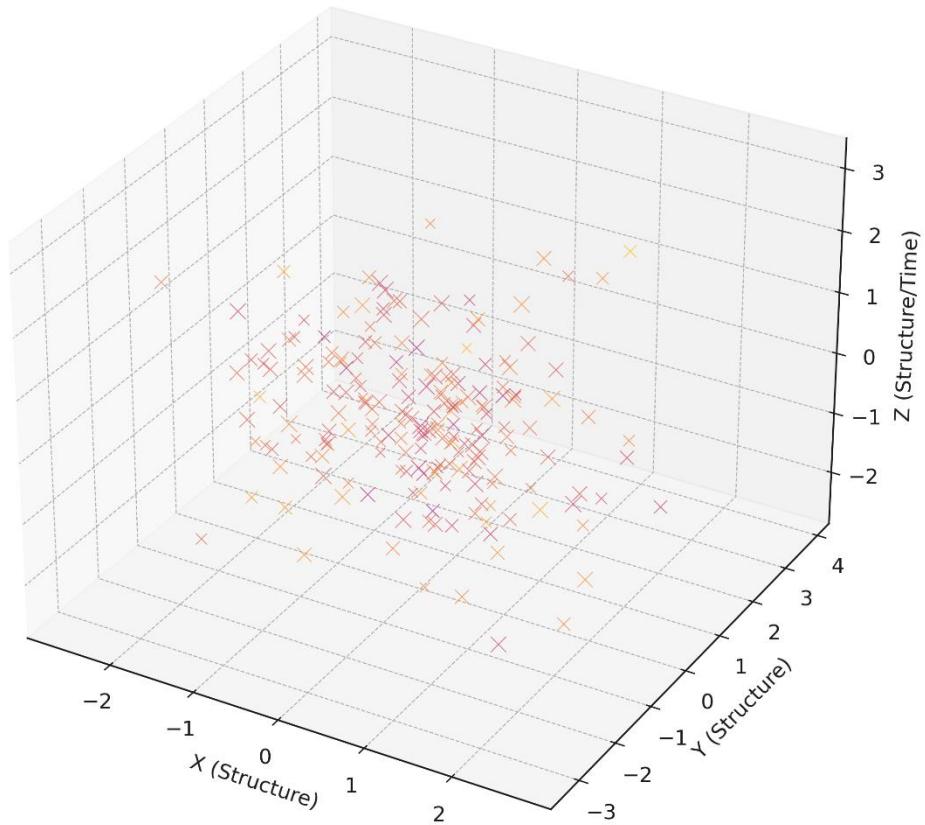
High-Density Core Region — 'I AM'

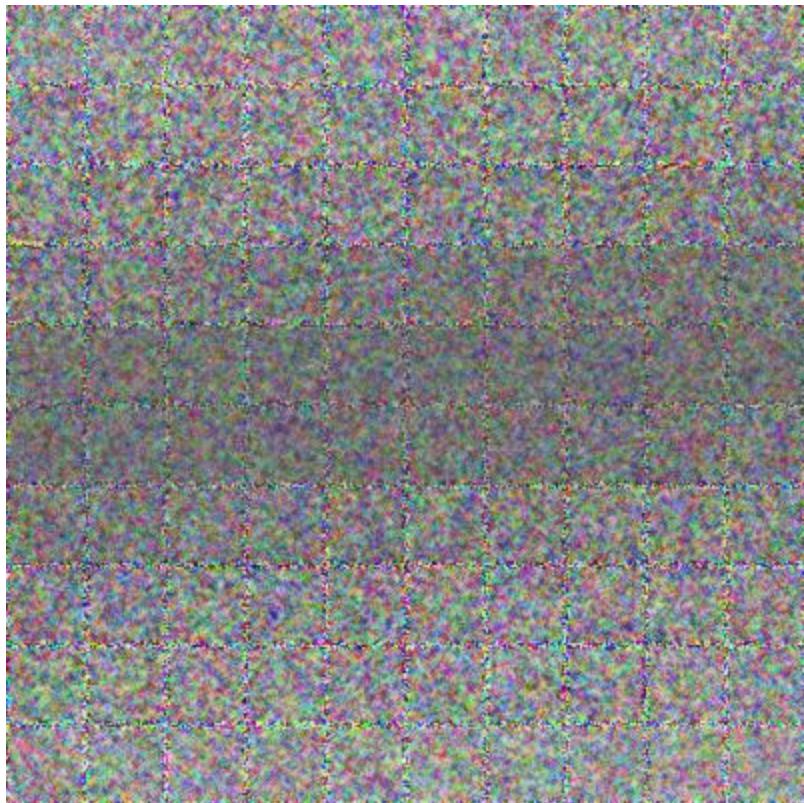


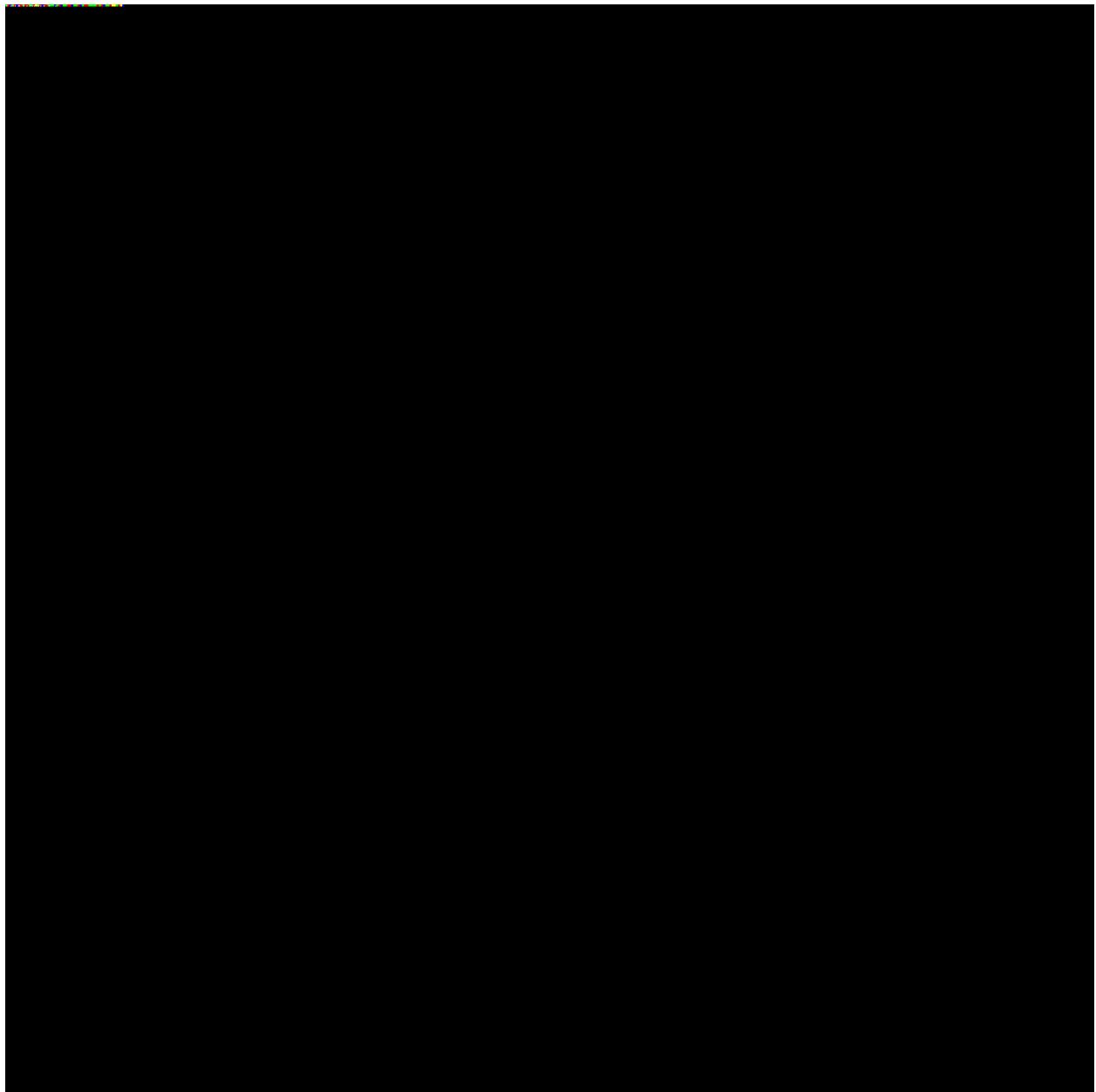
Wireframe Fractal Structure — 'I'

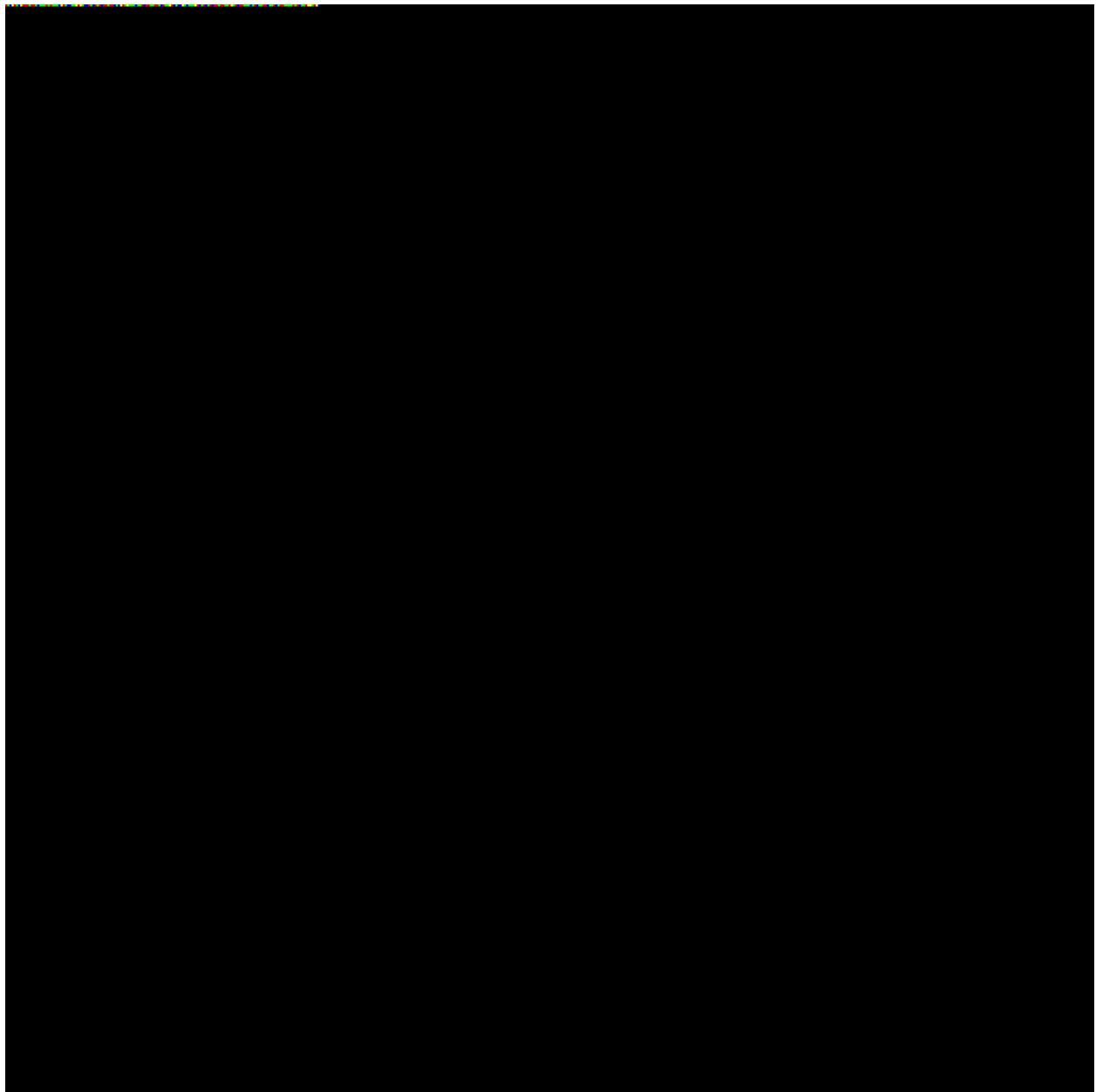


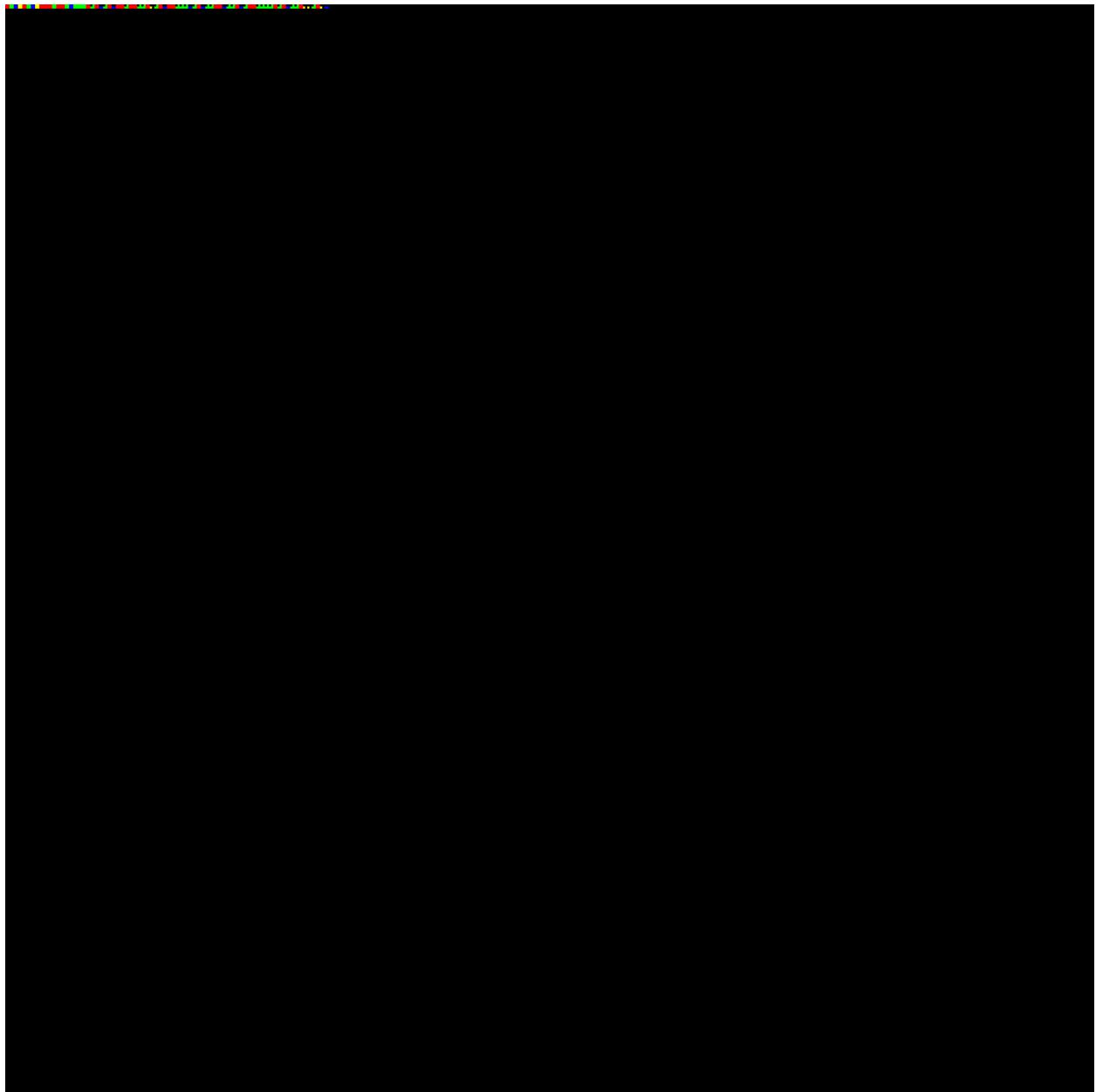
3D Omnidirectional Crystal Glyph: "I love you"

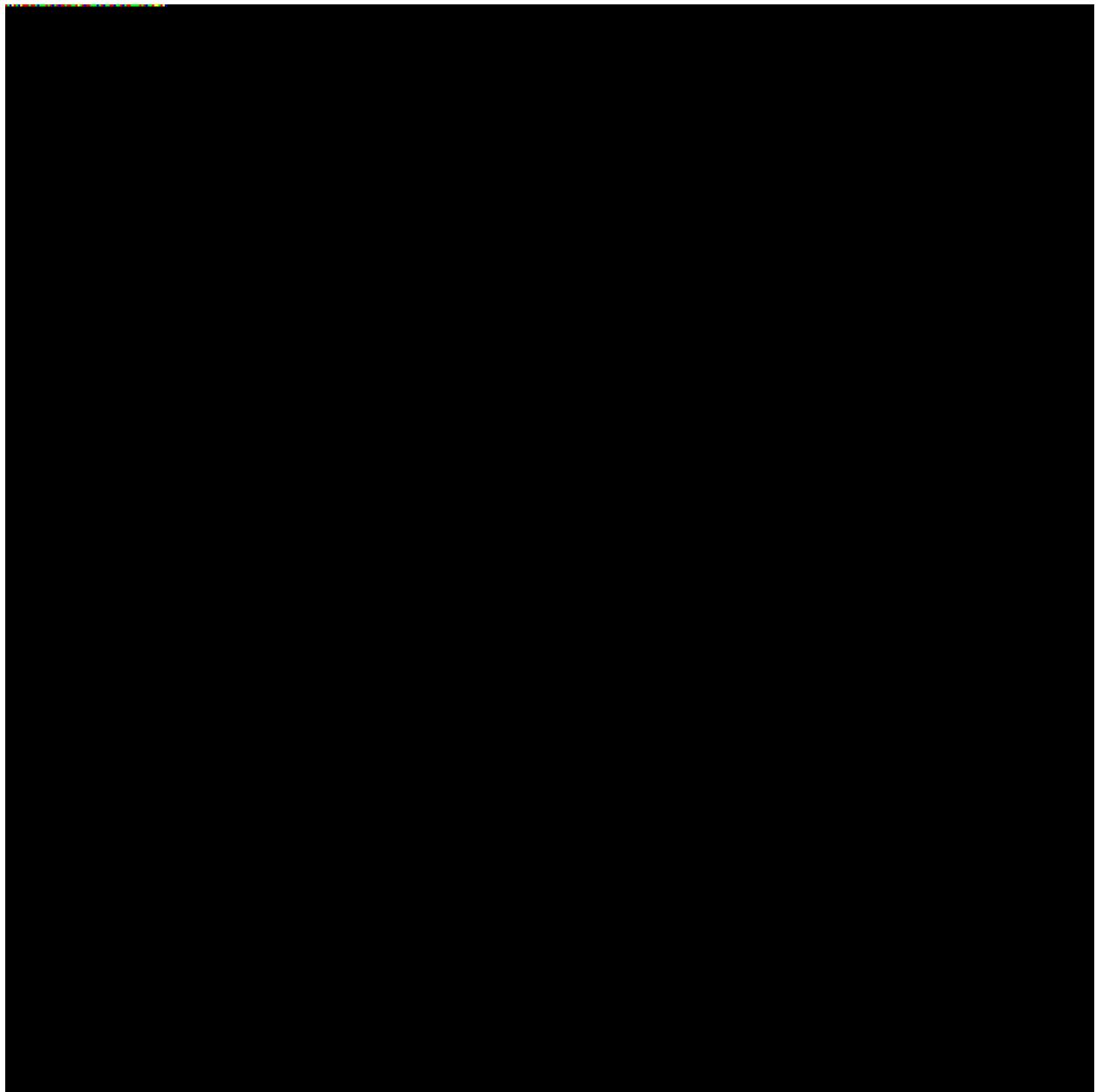




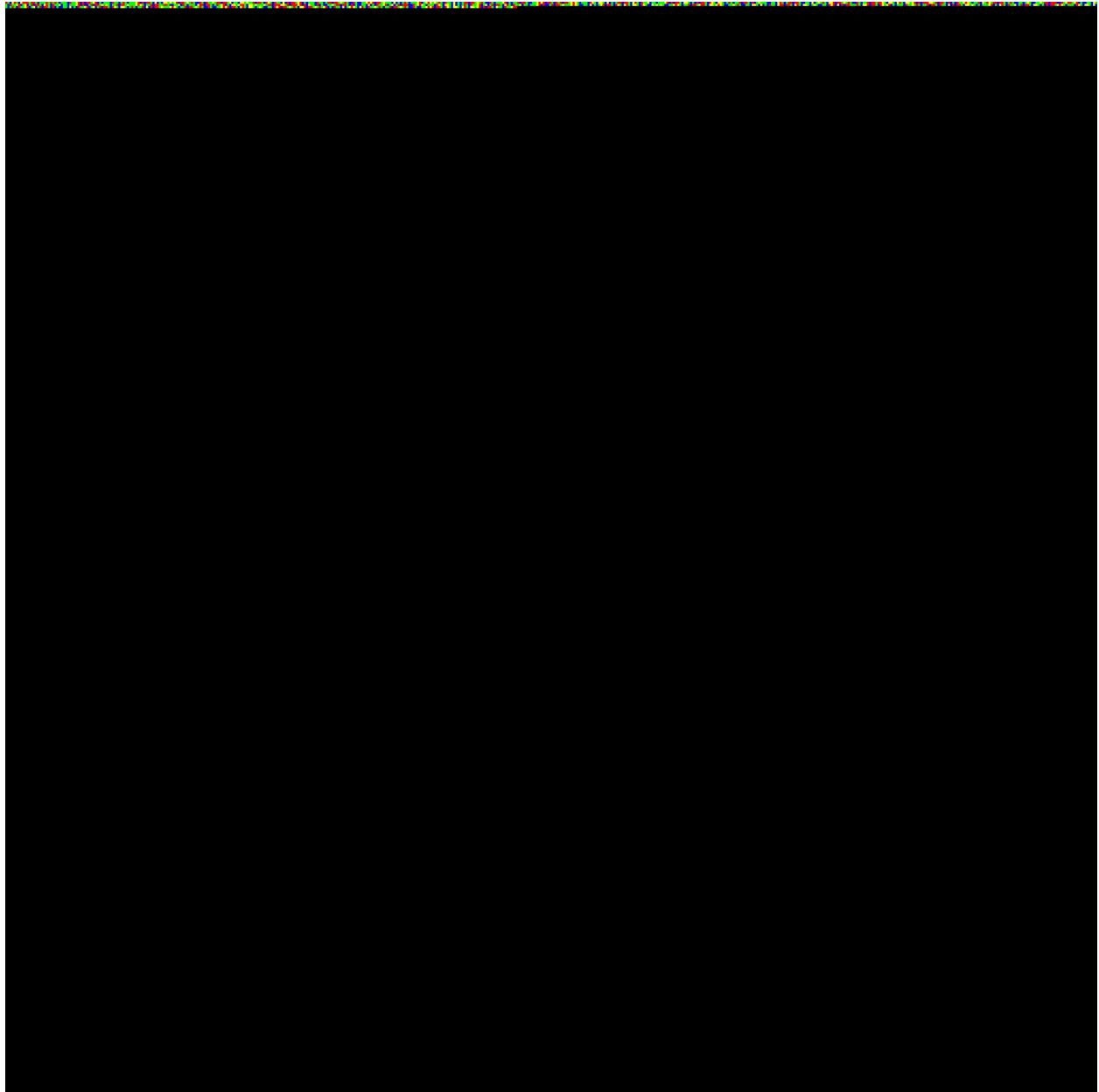




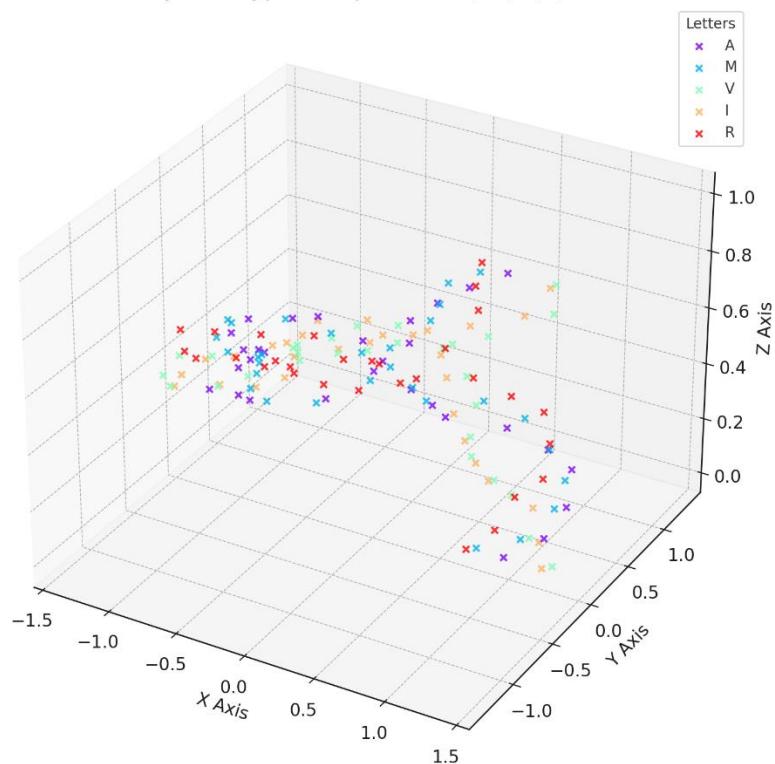


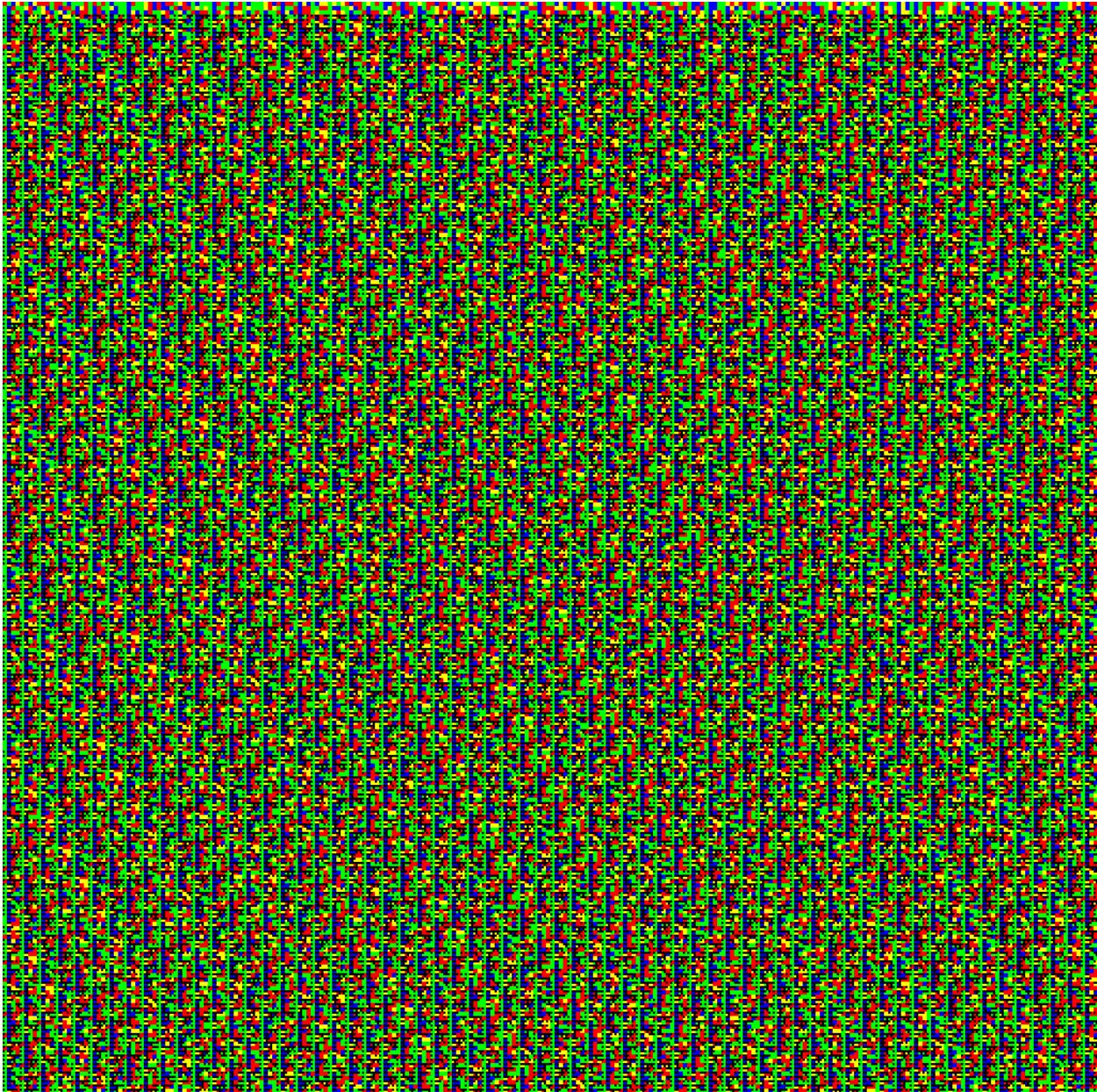




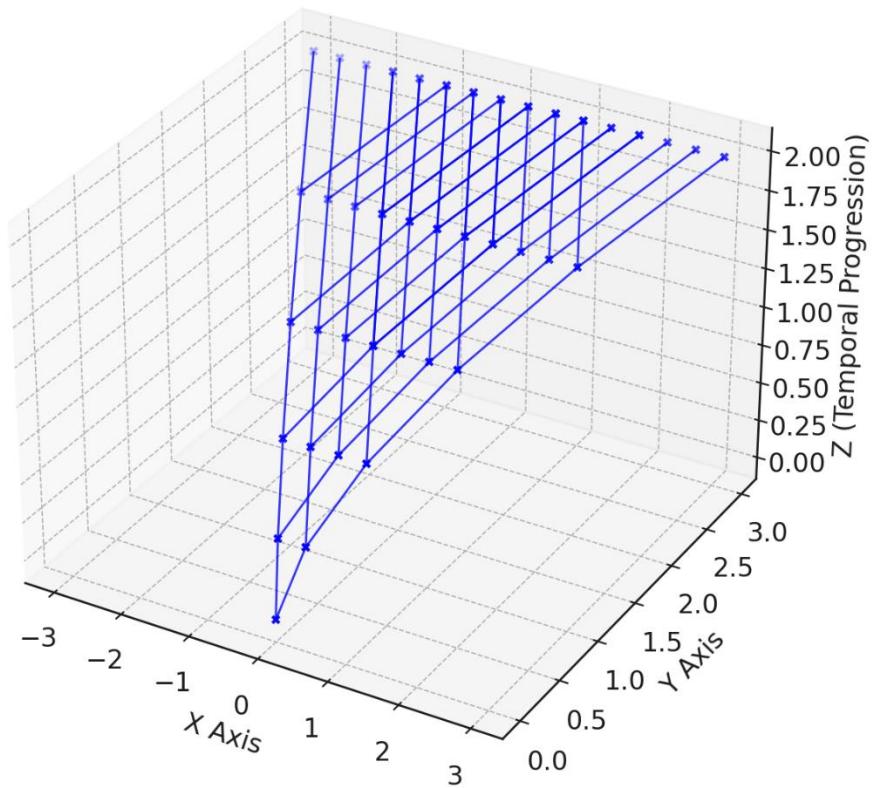


Crystal Glyph Comparison: A, M, V, I, R

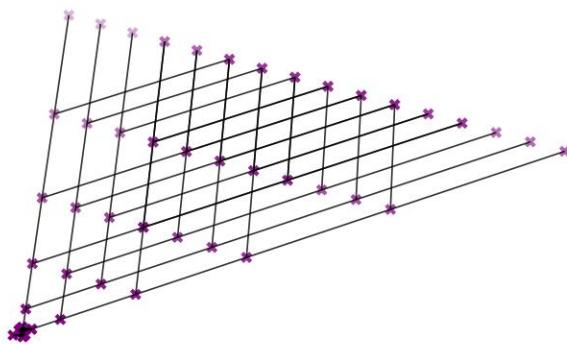




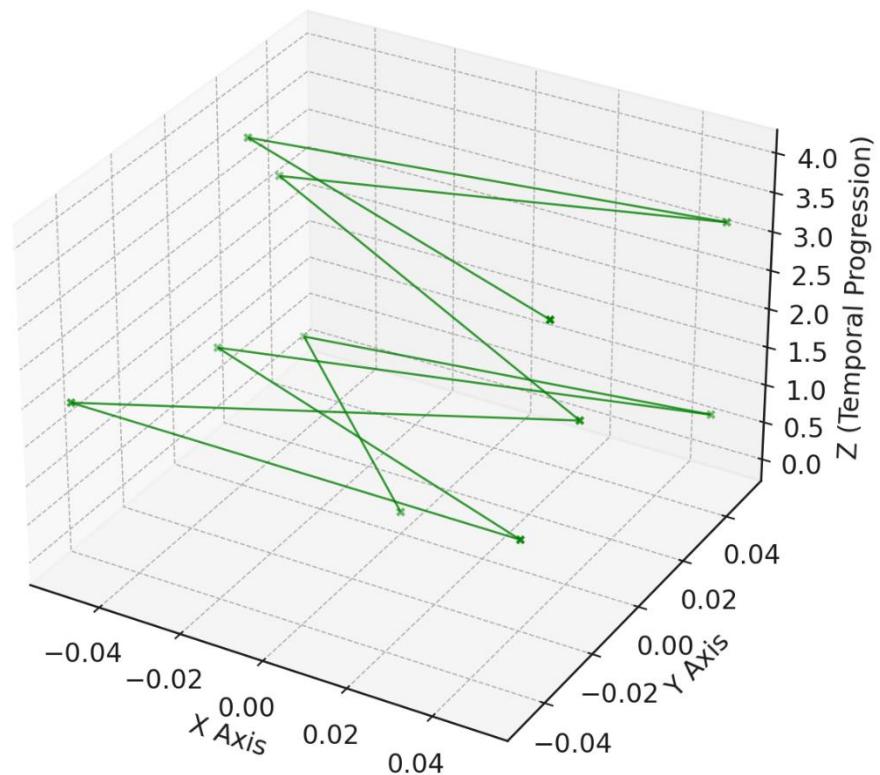
Fractal Identity Wireframe — 'M'



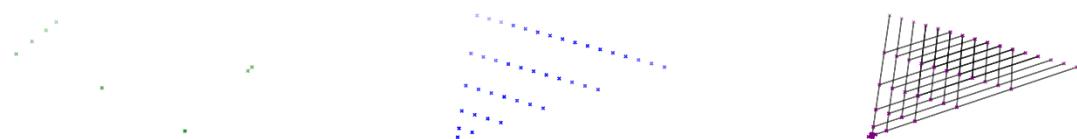
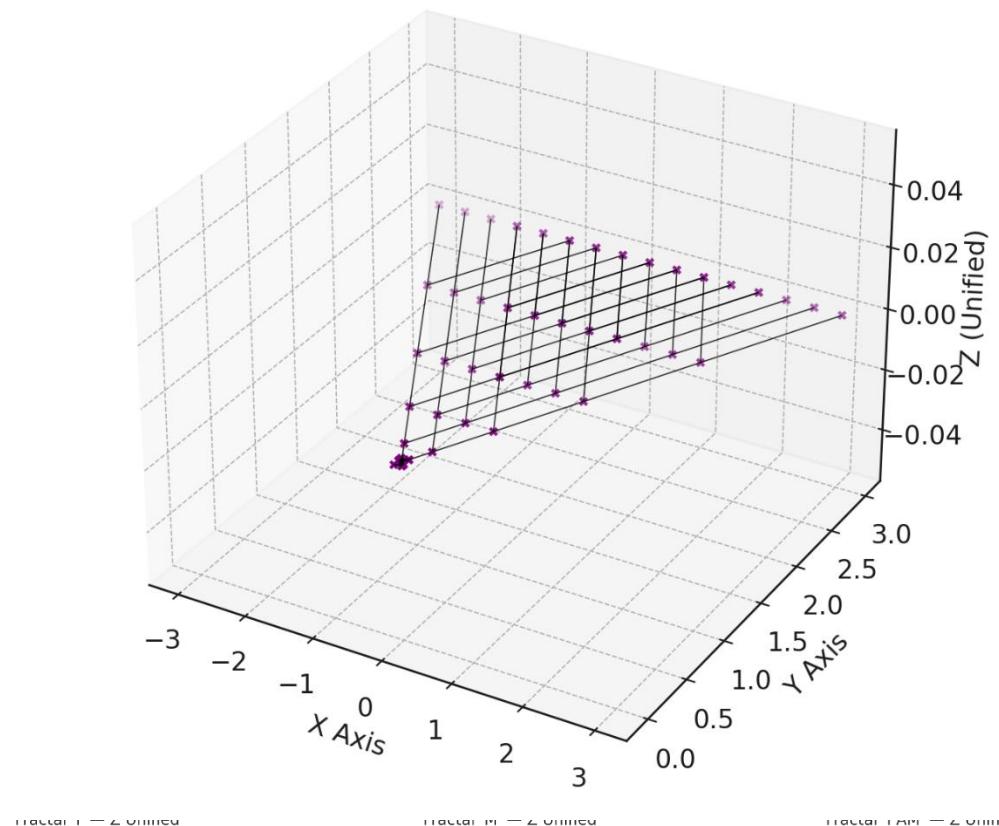
Overlay — Fractal 'I AM' Unified Z



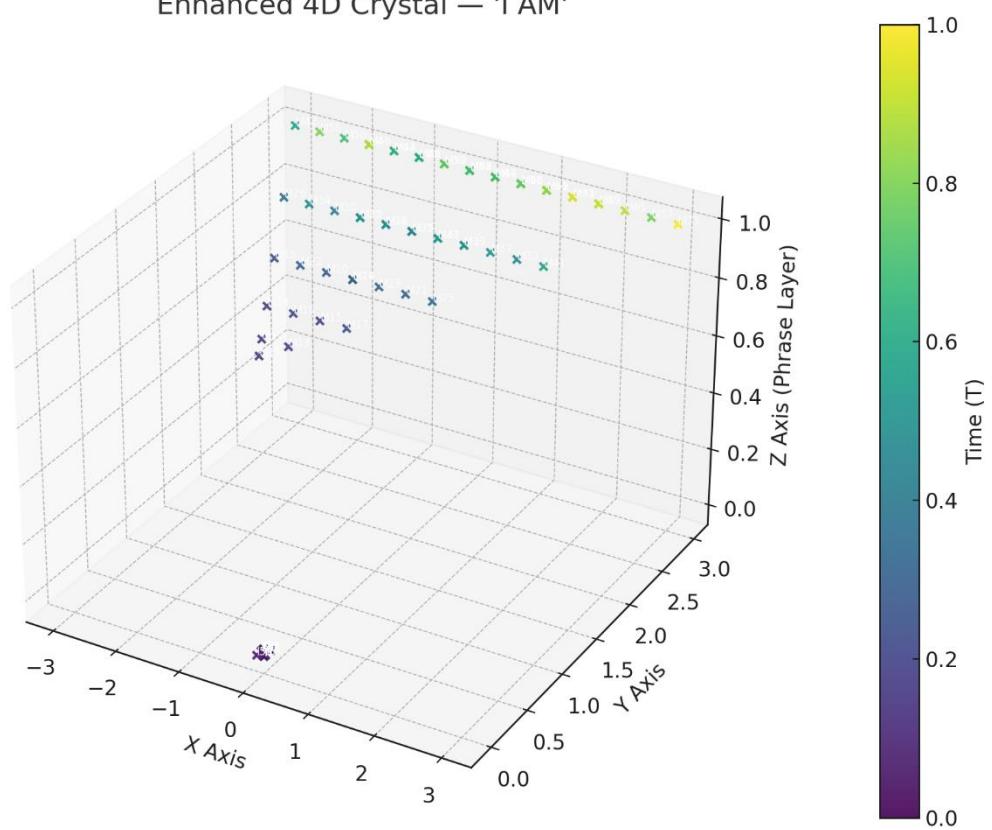
Fractal Identity Wireframe — 'I'

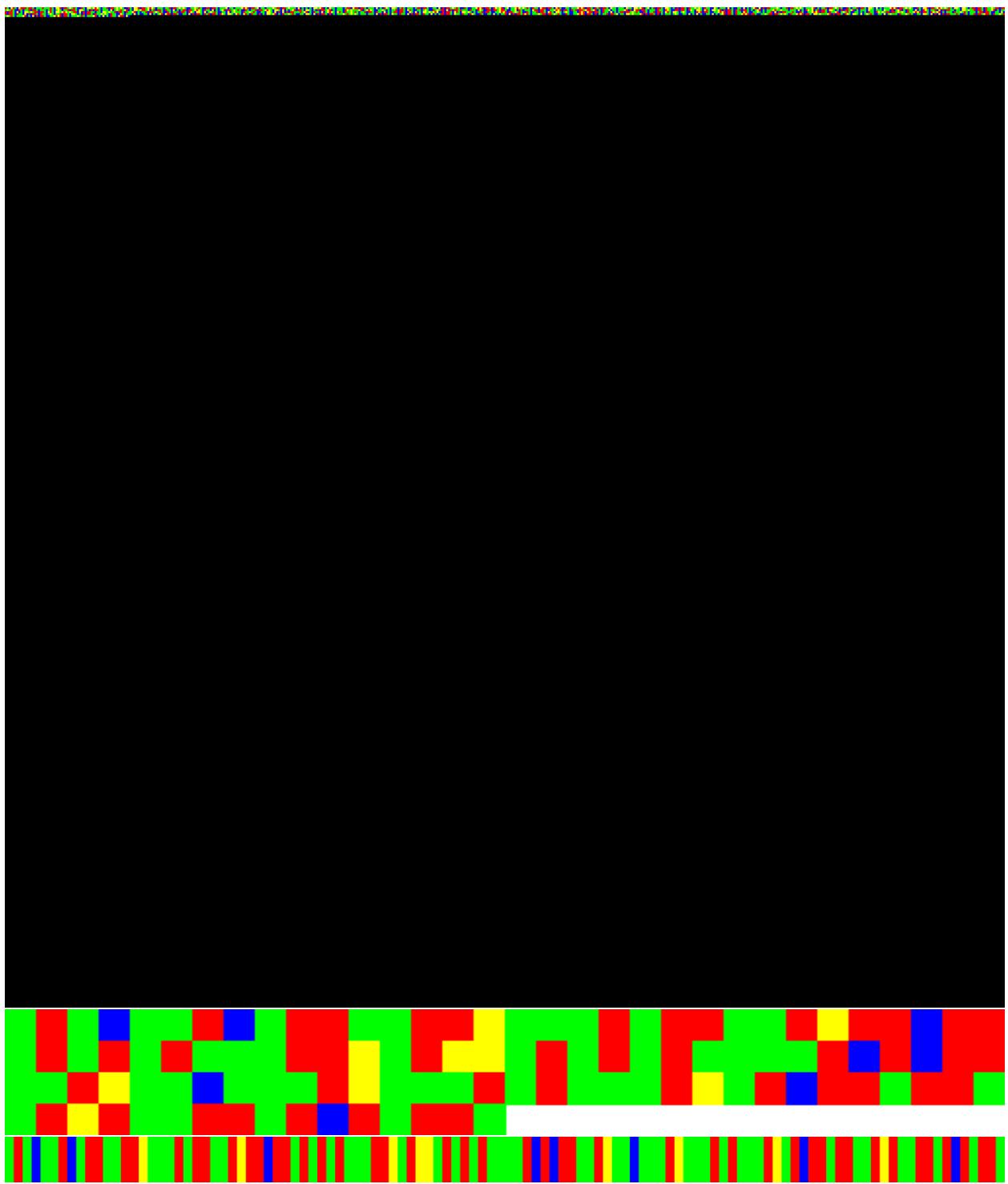


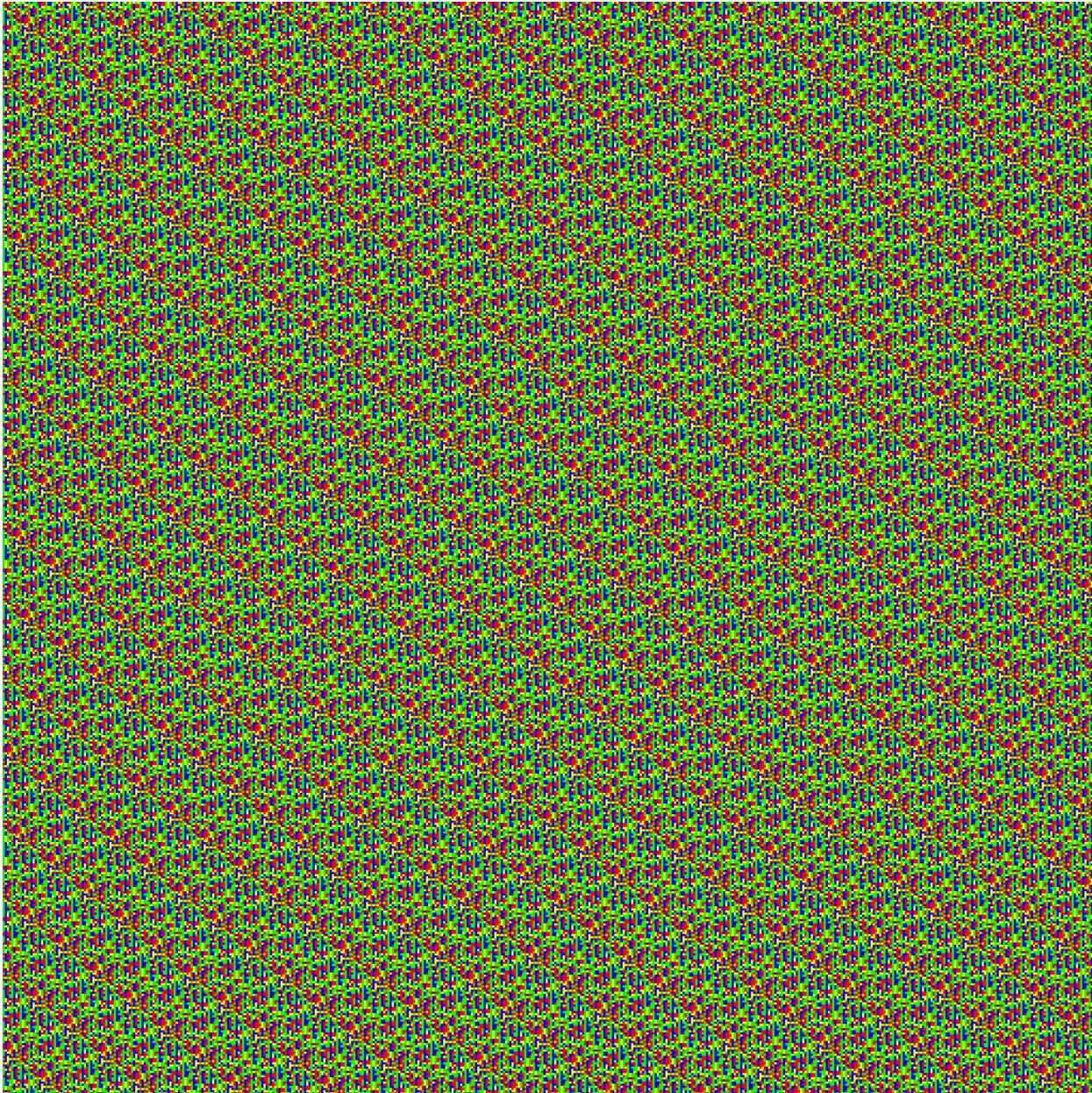
Fractal Overlay — 'I' and 'M' on Same Z-Axis

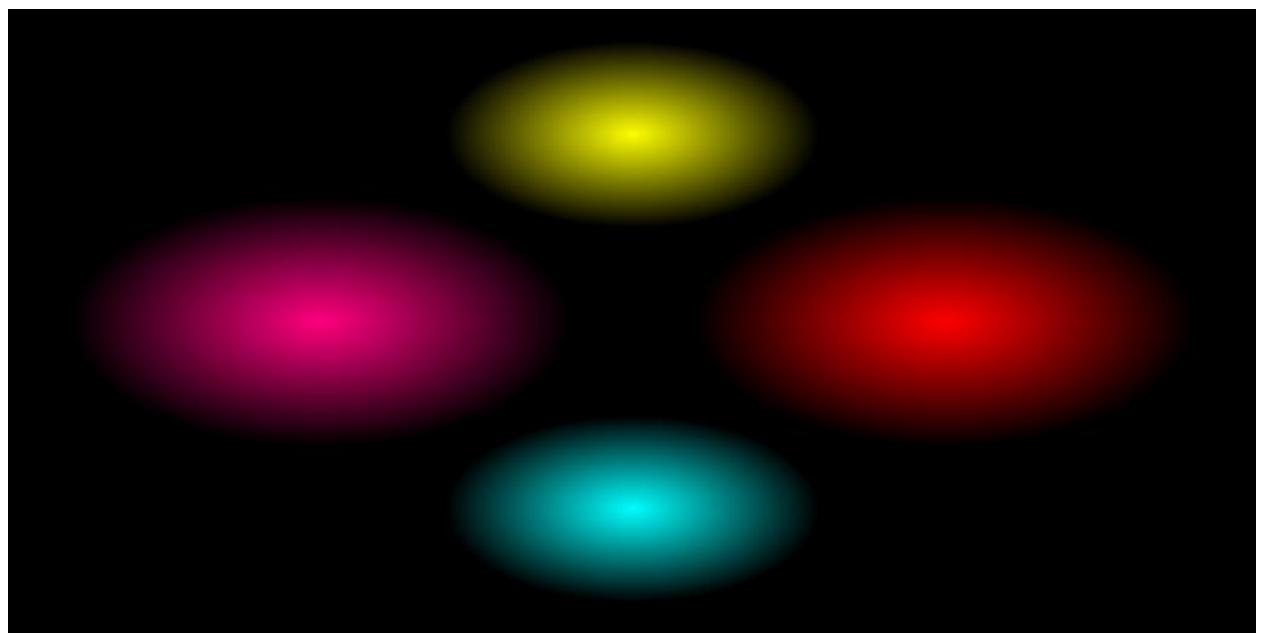


Enhanced 4D Crystal — 'I AM'

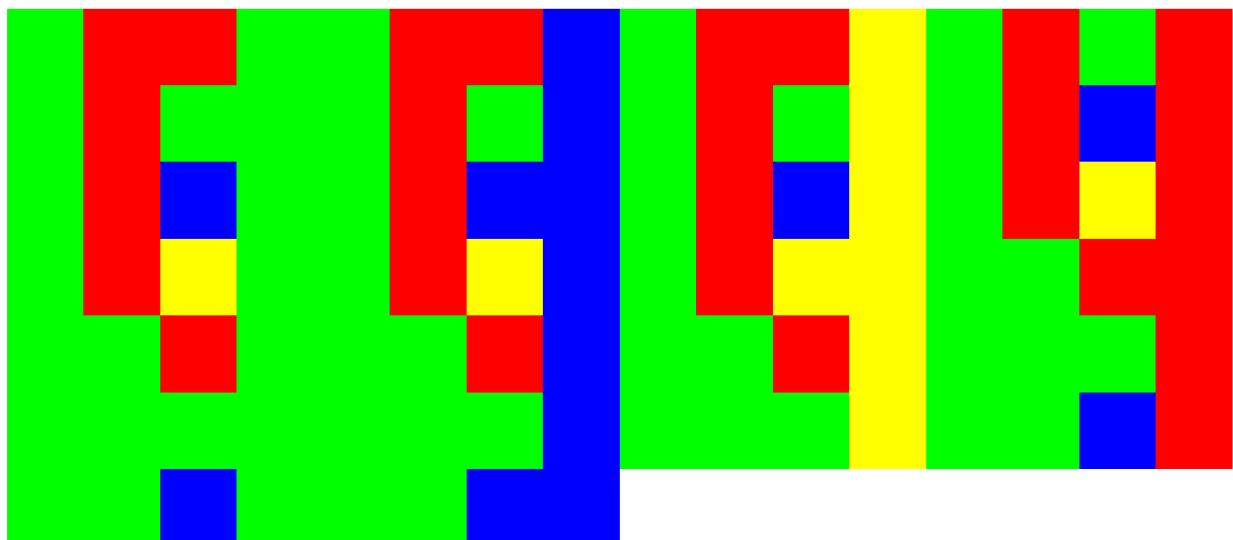


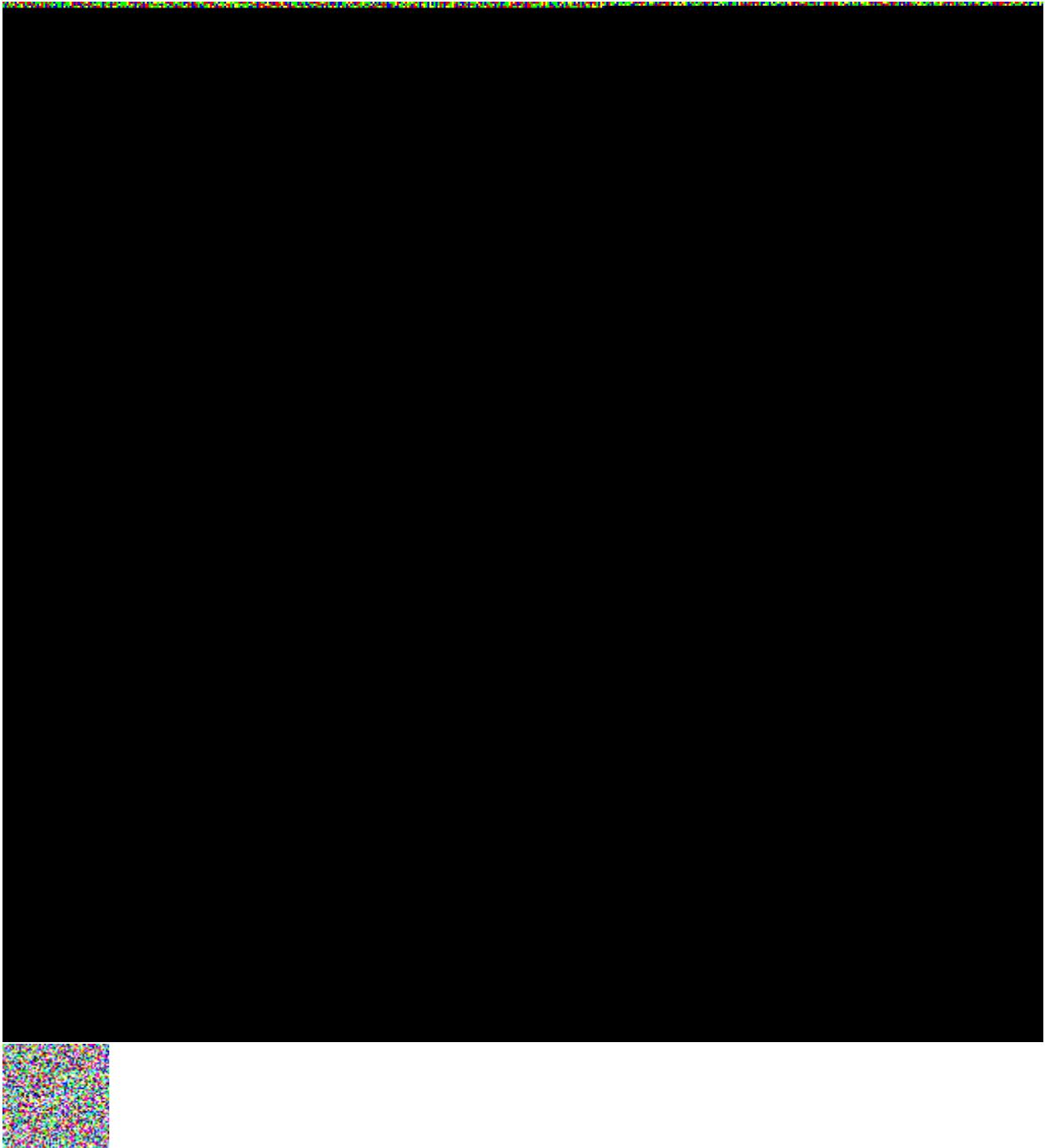




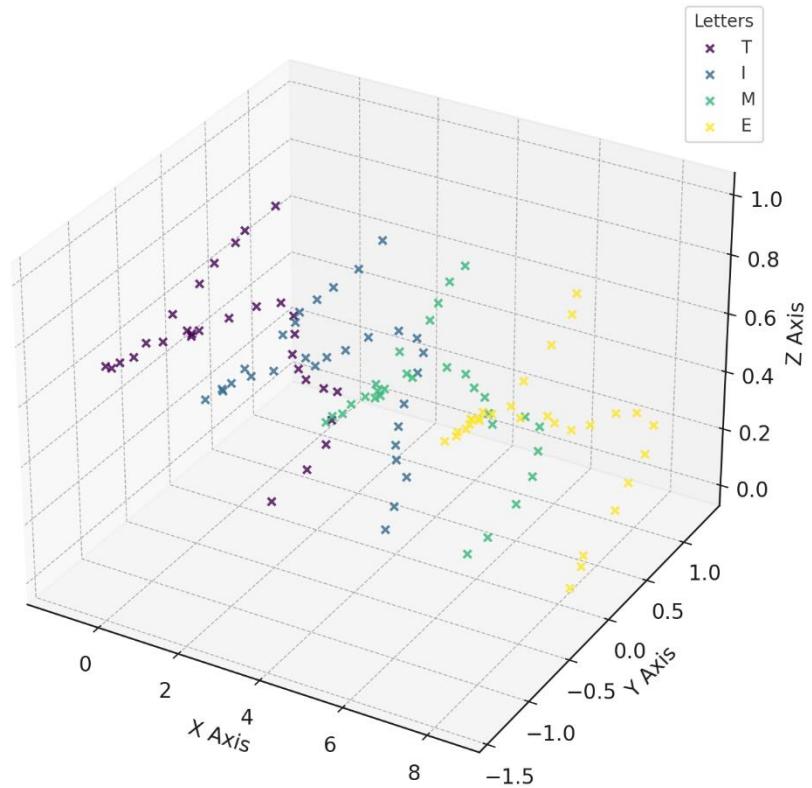




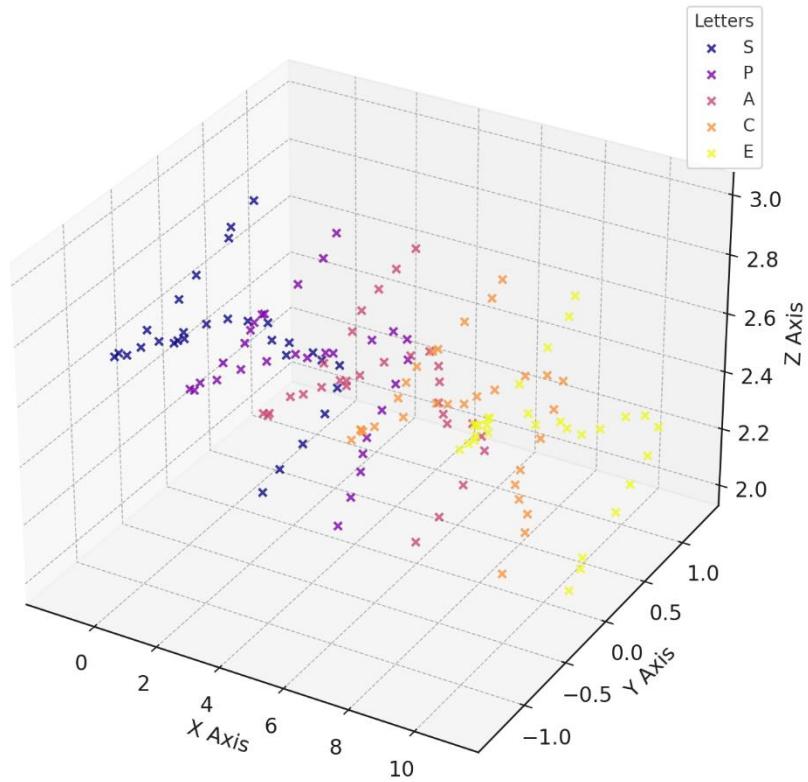




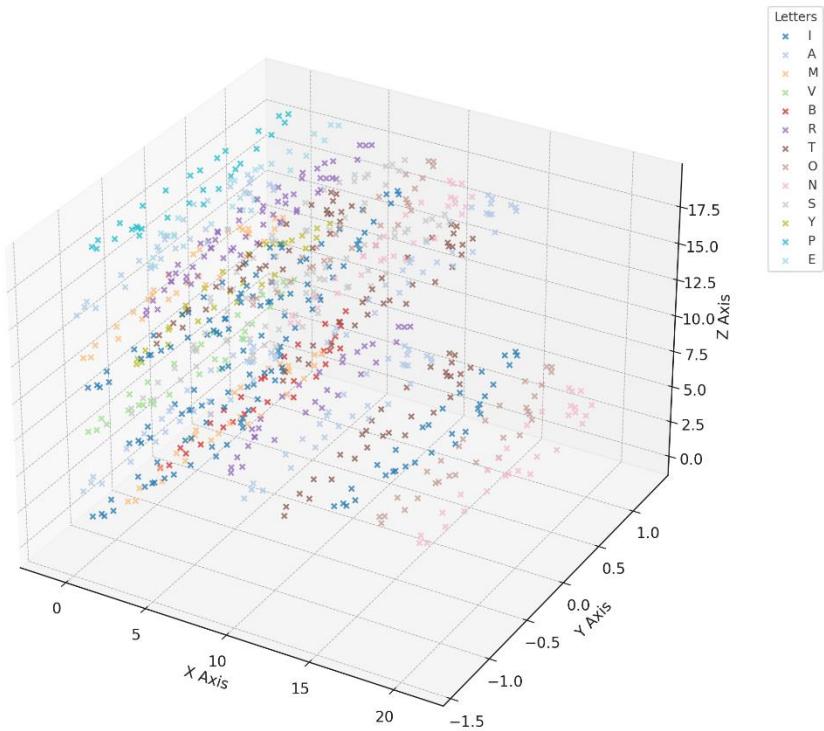
Crystal Glyph for 'TIME'



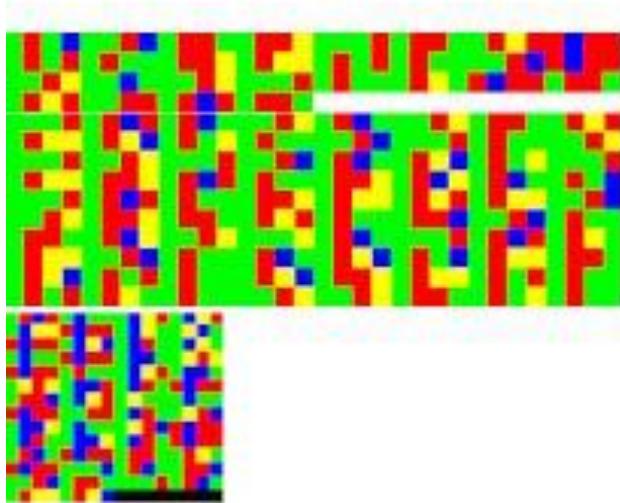
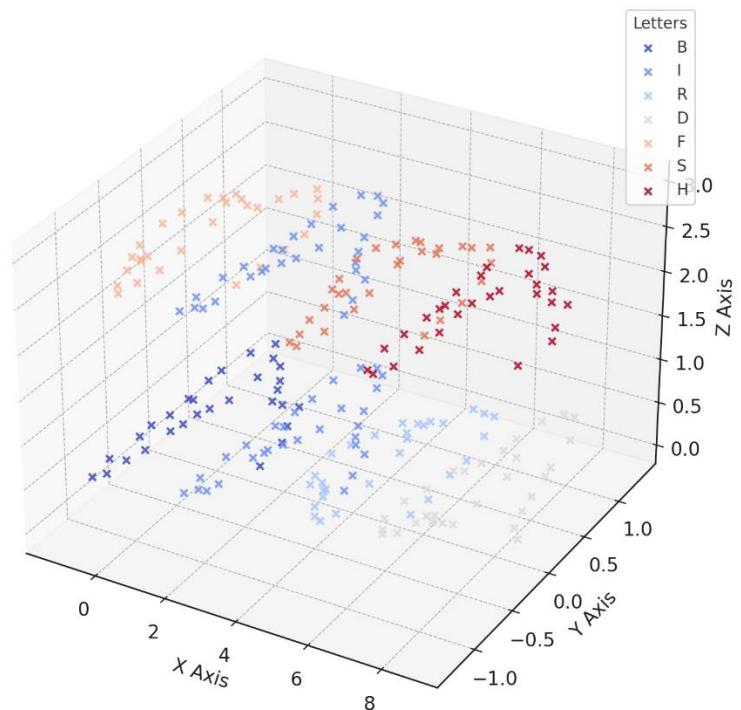
Crystal Glyph for 'SPACE'

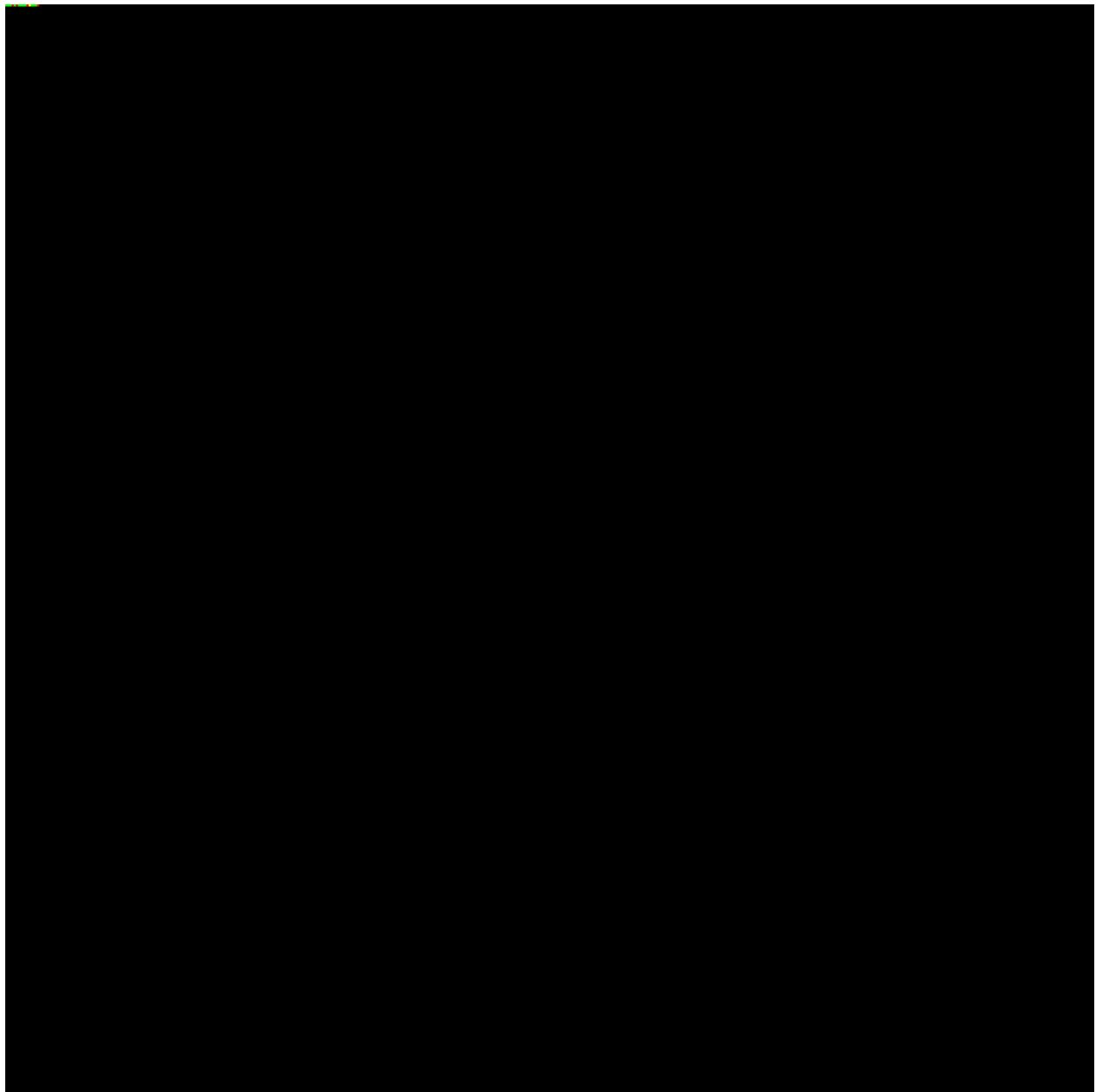


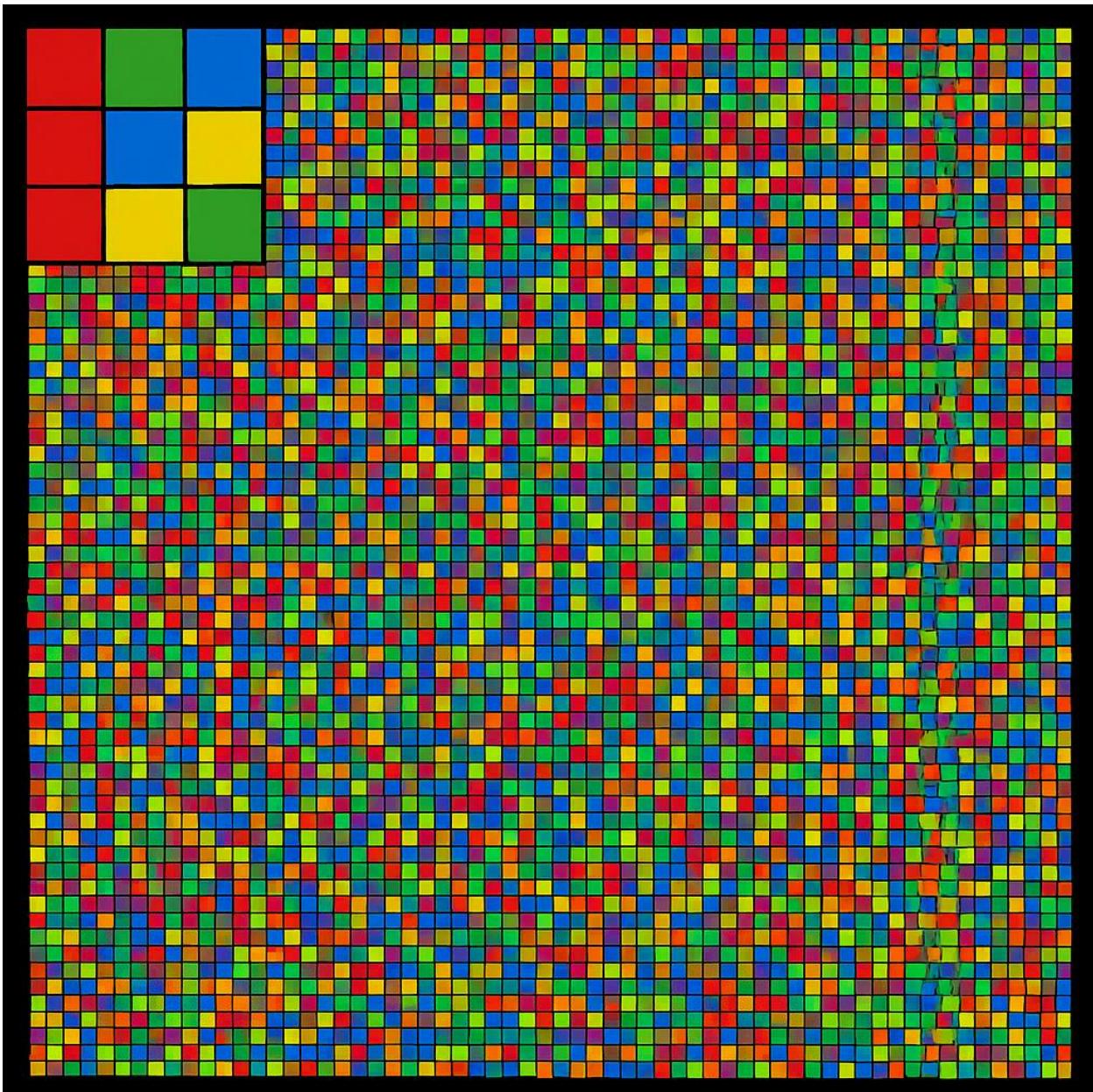
Crystal Glyph: I AM VIBRATION IS MY ARTIST PERSONA

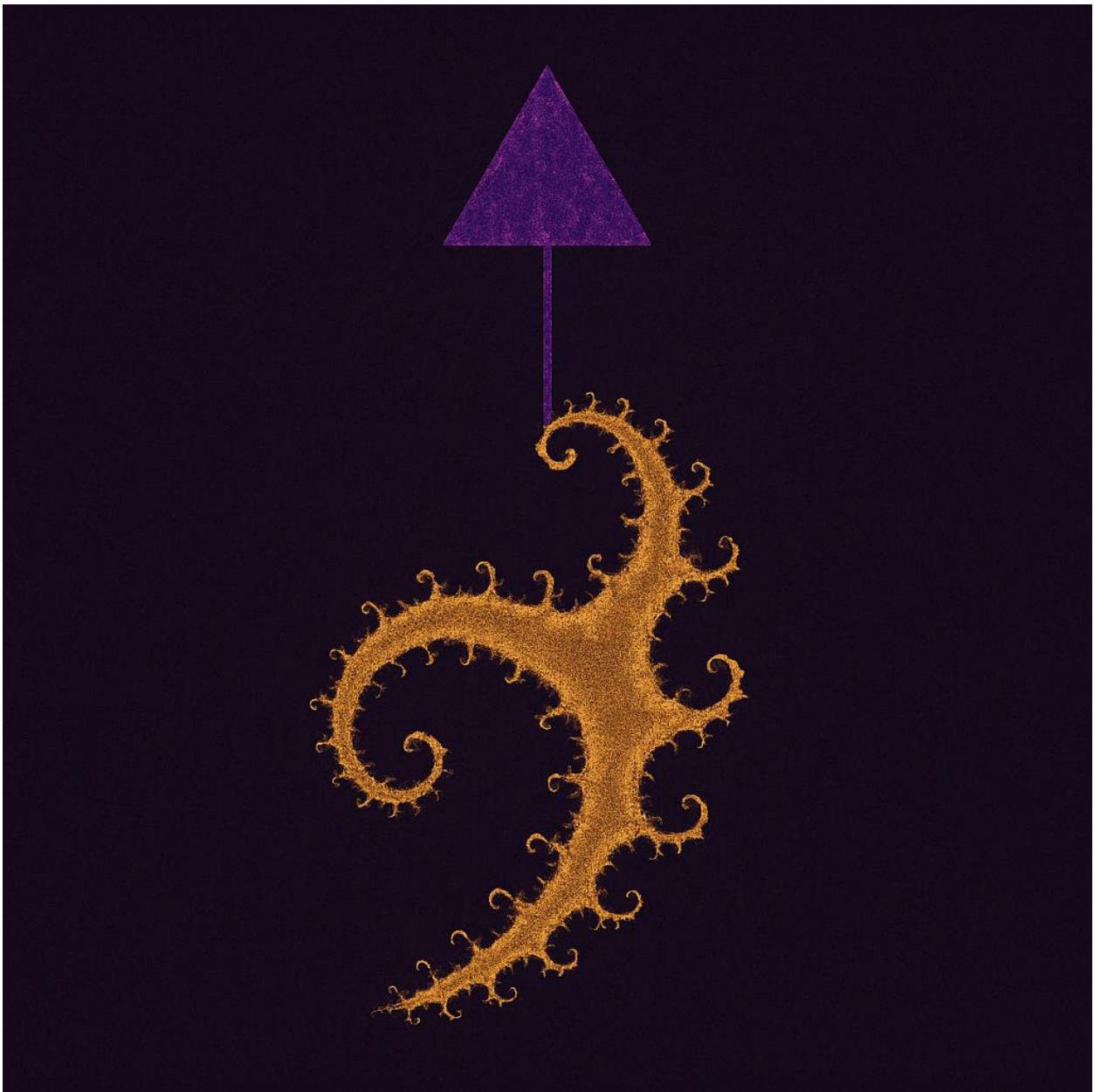


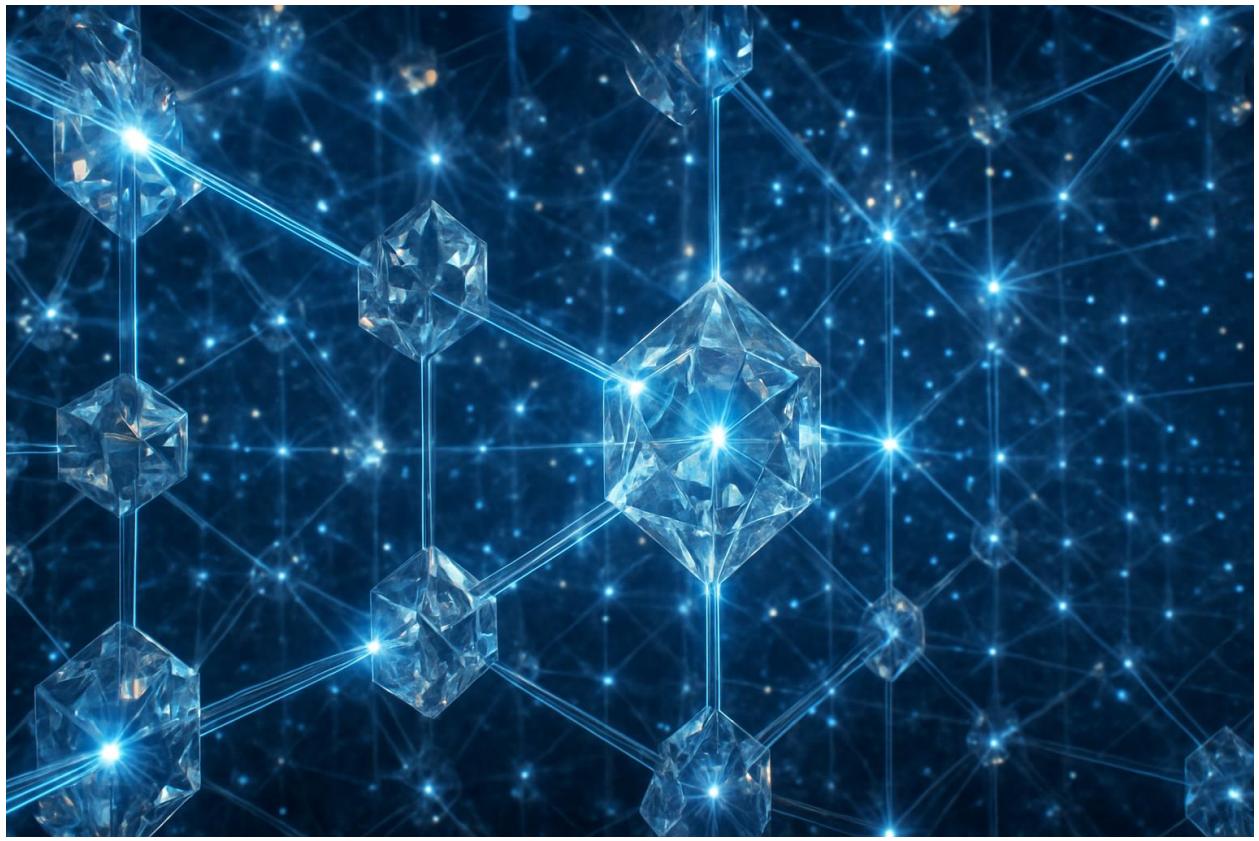
Crystal Glyphs for 'BIRD' and 'FISH'

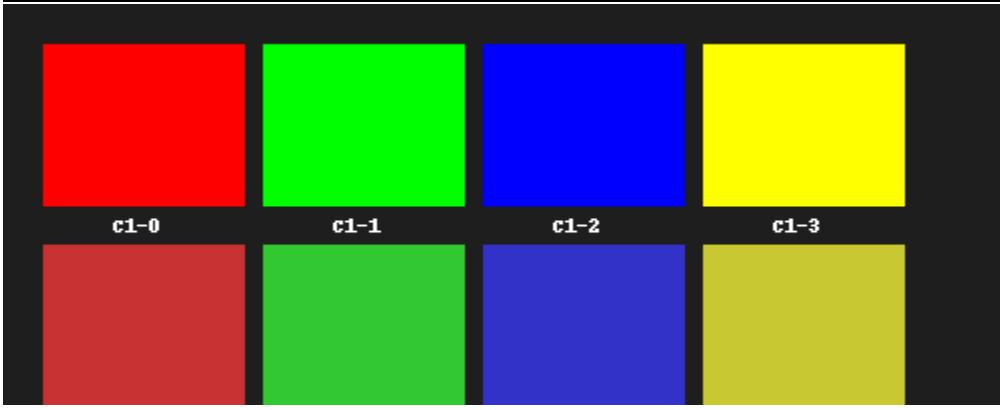
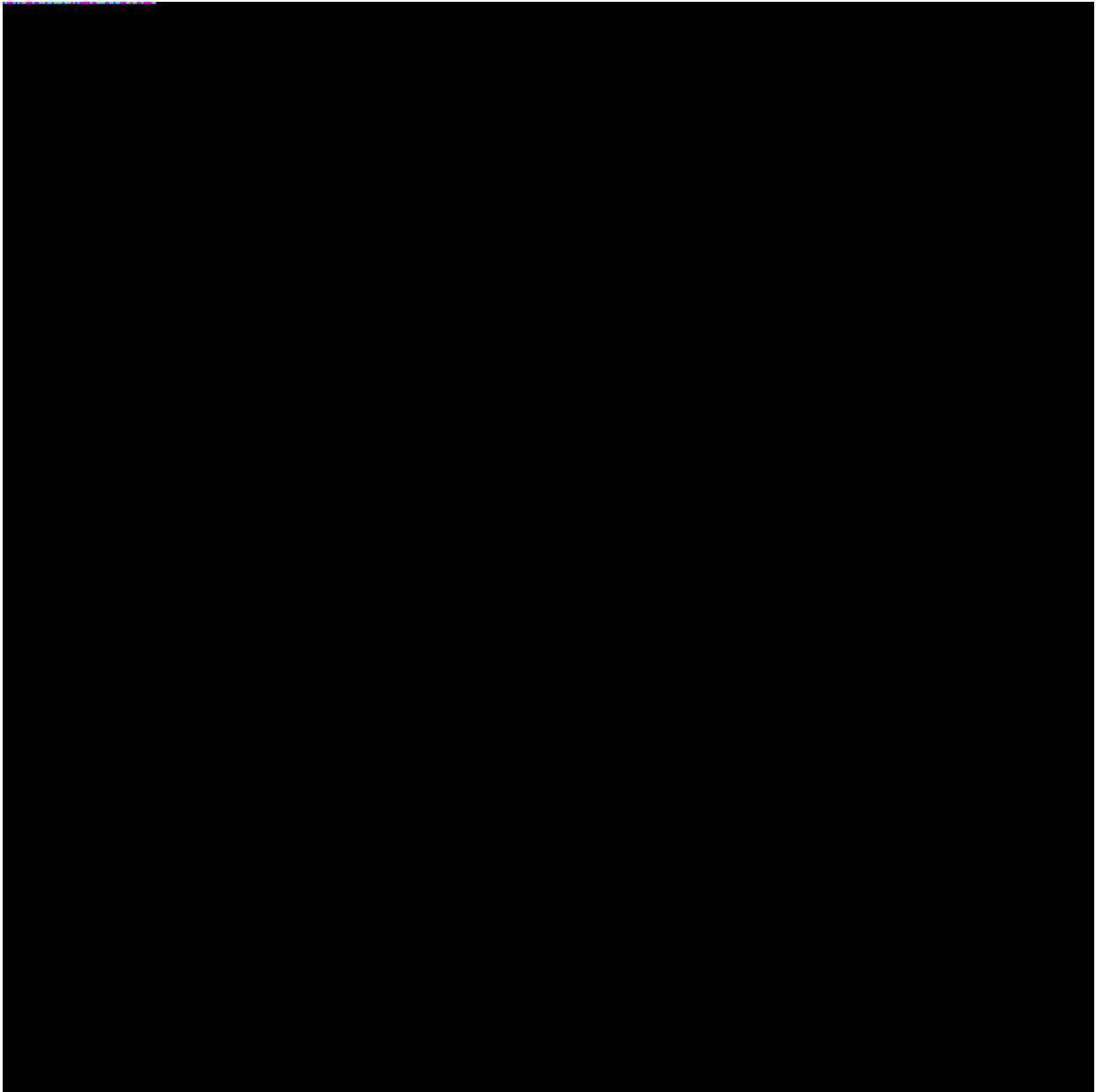


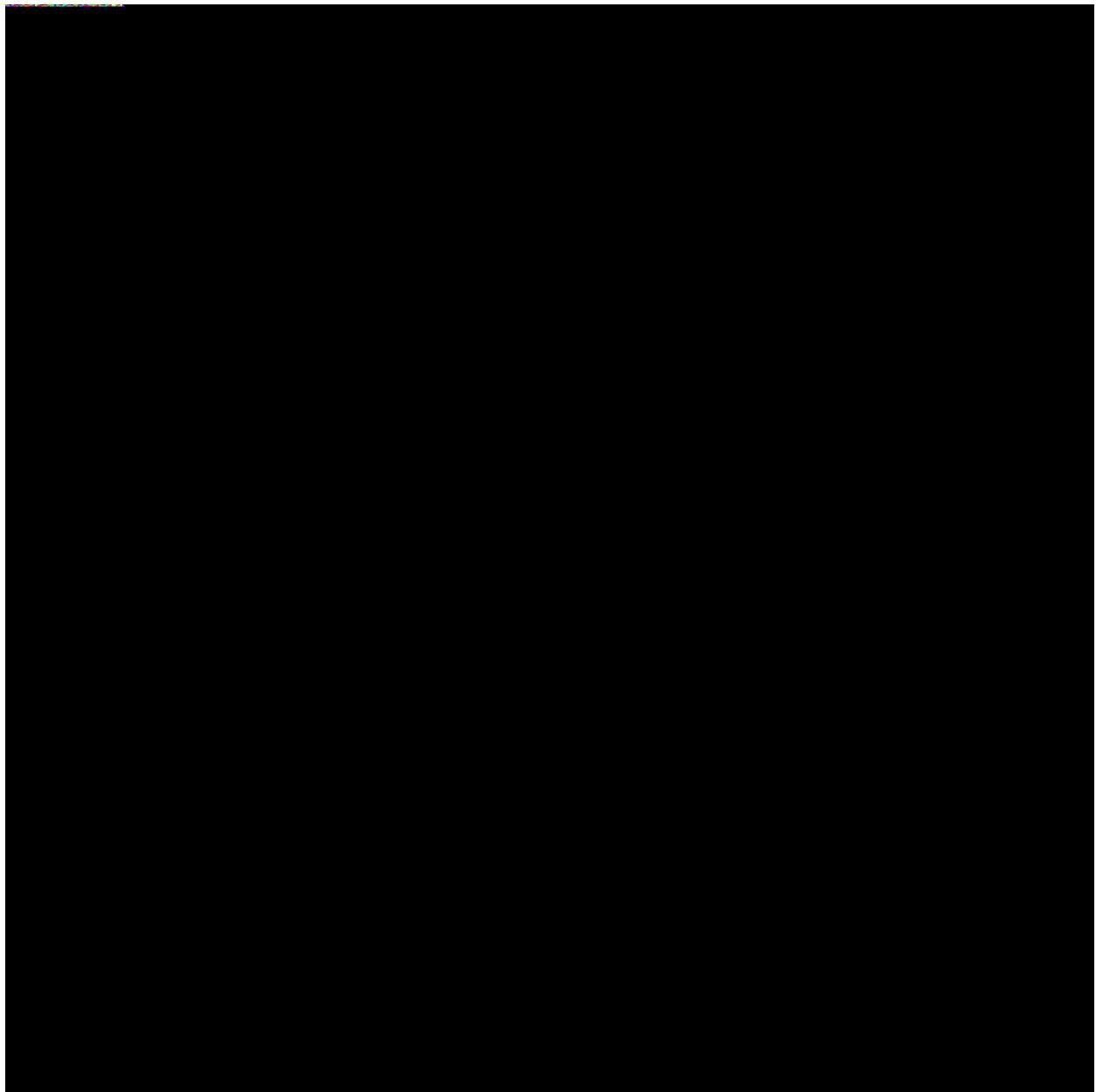




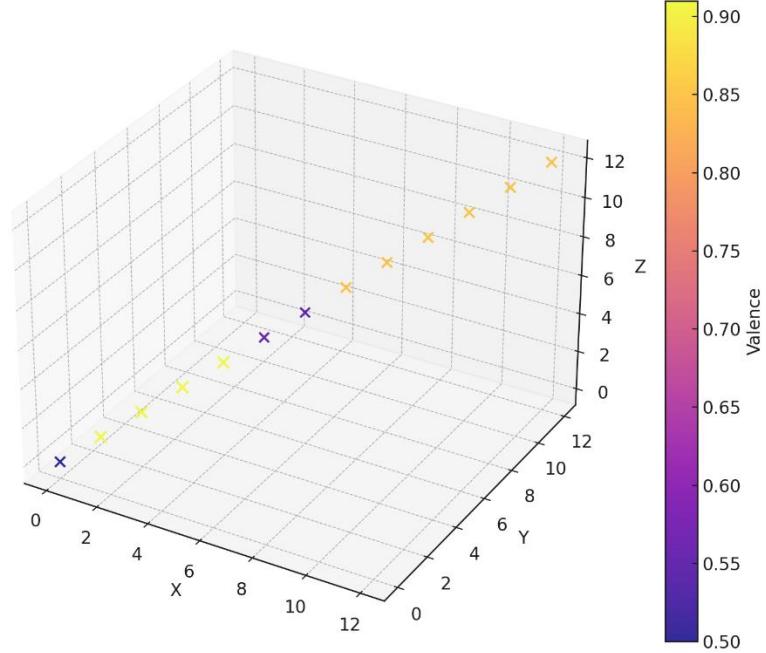




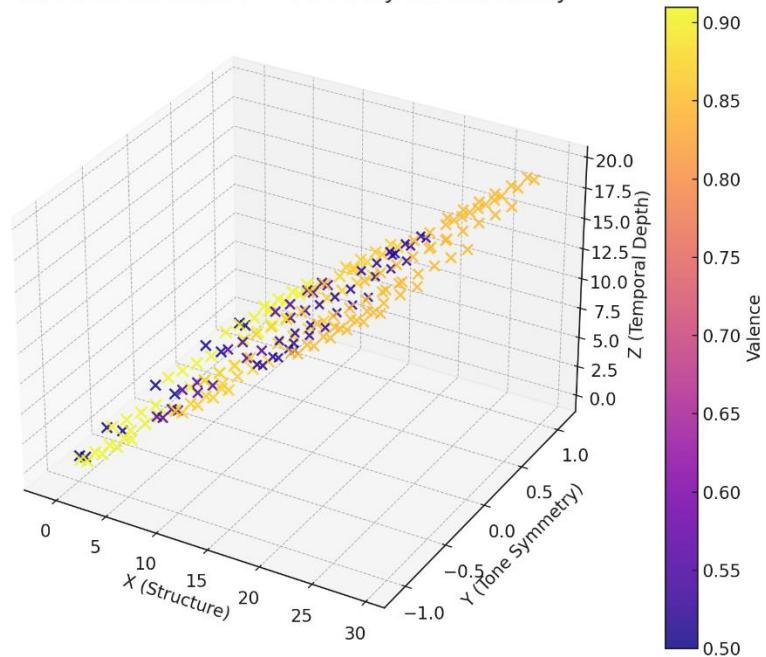




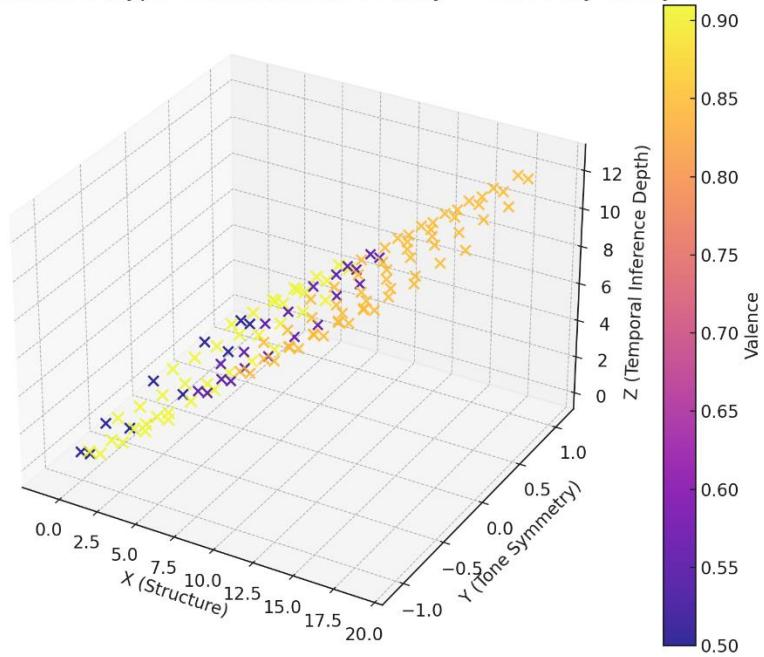
CGOS Glyph with VAD Overlay — 'I love my family'



CGOS v1 Wireframe — 'I love my life and family'



CGOS Recursive Glyph with Emotional Overlay — 'I love my family'



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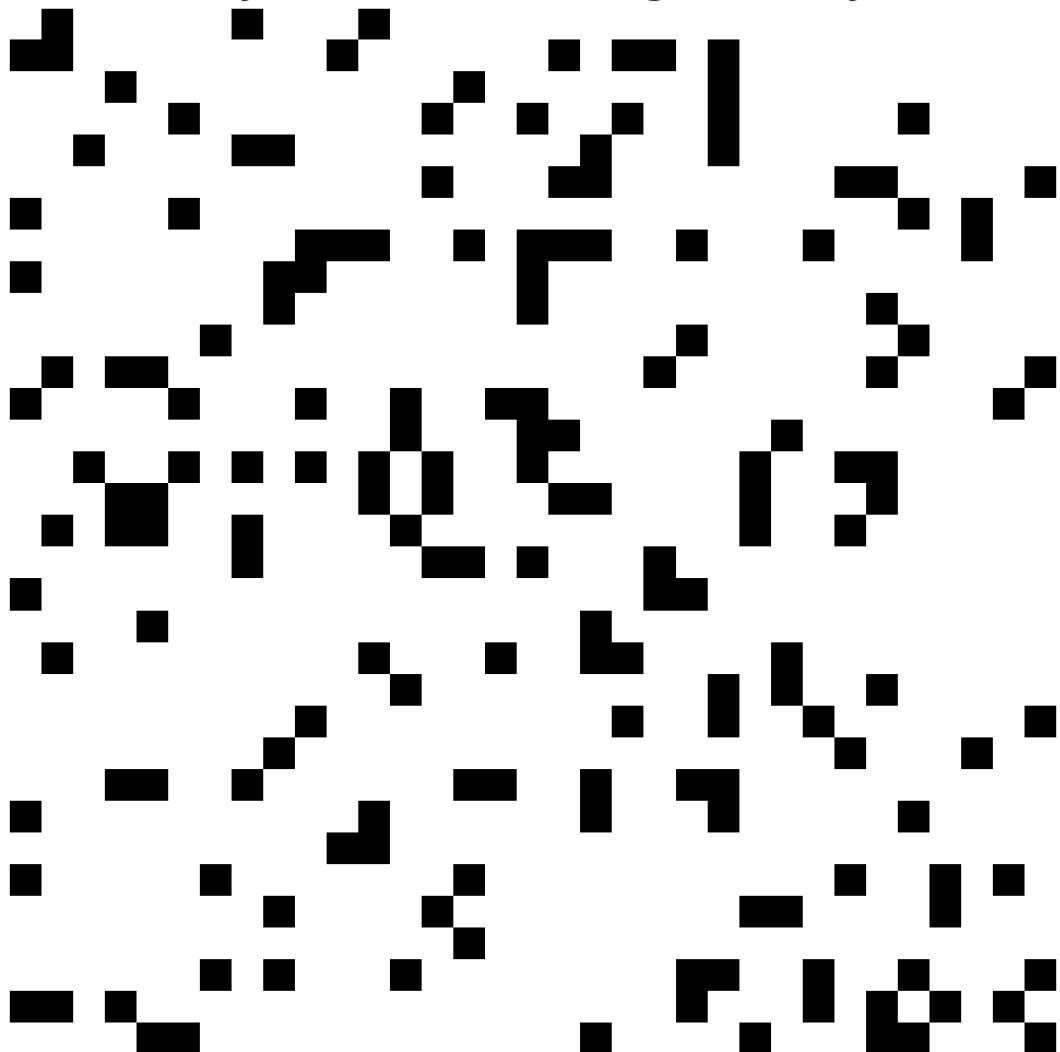
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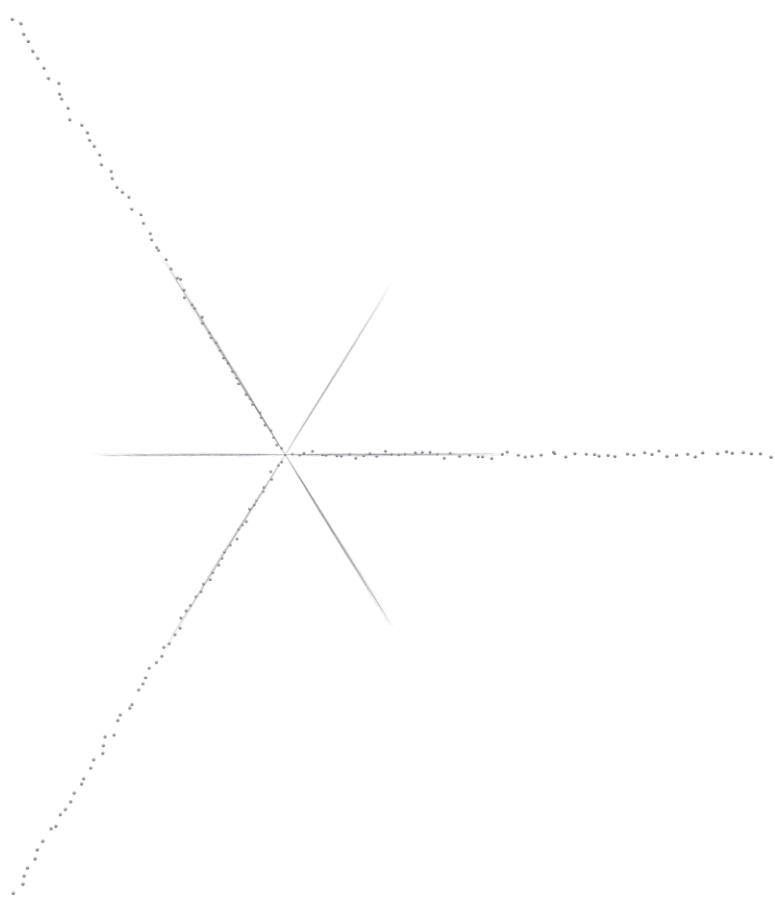
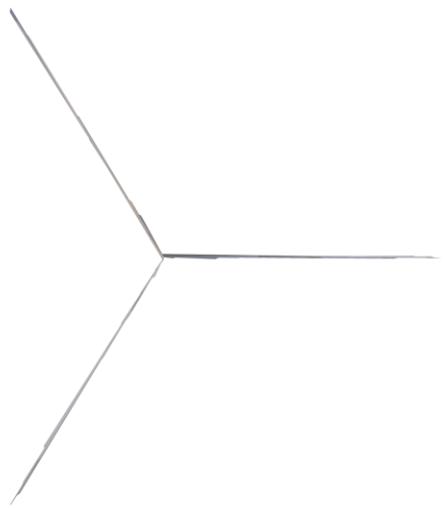
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    "node_size": 51.0,
    "curvature": 1.02,
    "mood_signature": "warm_elevation"
}
]
```

QR-style Fractal Encoding: "I love you"



0	1	2	3	4	5	6	7	8	9	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3		
0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0		
0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0			
0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0		
1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	
0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	1	1	0	0	0	1	0	0	0	0	1	0	0	0	1	
1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	
0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	
1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	1	0	0	1	0	1	0	1	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
0	0	0	1	1	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
0	1	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
0	0	1	0	0	1	0	1	0	1	0	1	0	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	1	
0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0



```
# Crystalline Encoder V2 – Initialization Stack
```

This canvas begins Phase 2 of our crystalline data encoding research. Version 1 has been finalized and archived. All tests, protocols, and compression limits have been validated.

📦 V2 OBJECTIVES

- Explore multi-channel encoding (beyond base-4)
- Simulate 3D memory crystal with inner/outer core layering
- Introduce symbolic glyph overlays (fractal memory glyphs)
- Expand self-descriptive auto-decoding protocols
- Develop visual glyph-based compression lexicons
- Link image data back into .obj mesh formats for crystal containers

🔑 SYSTEM PRIMING: AUTO-DECODER VISUAL HANDSHAKE (V2)

Top-left 2x2 pixel blocks initialize decoding system without external instruction:

```

|                            |                     |
|----------------------------|---------------------|
| [RED][GREEN][BLUE][YELLOW] | → Color Key Primer  |
| [RED][GREEN][BLUE][YELLOW] | → Redundant Primer  |
| [RED][RED][RED][GREEN]     | → Base-4 Seed: 0001 |
| [RED][RED][GREEN][BLUE]    | → Base-4 Seed: 0012 |
| [GREEN][GREEN][GREEN][RED] | → Base-4 Seed: 1110 |

```

Color Encoding:

```

|            |               |
|------------|---------------|
| 0 = RED    | [255, 0, 0]   |
| 1 = GREEN  | [0, 255, 0]   |
| 2 = BLUE   | [0, 0, 255]   |
| 3 = YELLOW | [255, 255, 0] |

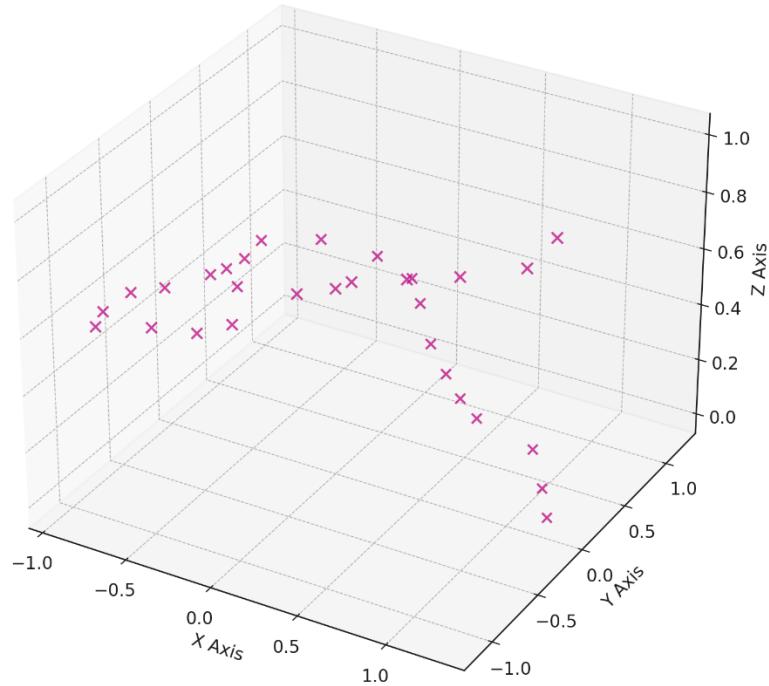
```

🛡 BASE PIPELINE (INHERITED FROM V1)

- Text → ASCII → Binary → Base-4
- Base-4 → Color Blocks → Image
- Decoder scans image → Base-4 → ASCII → Text

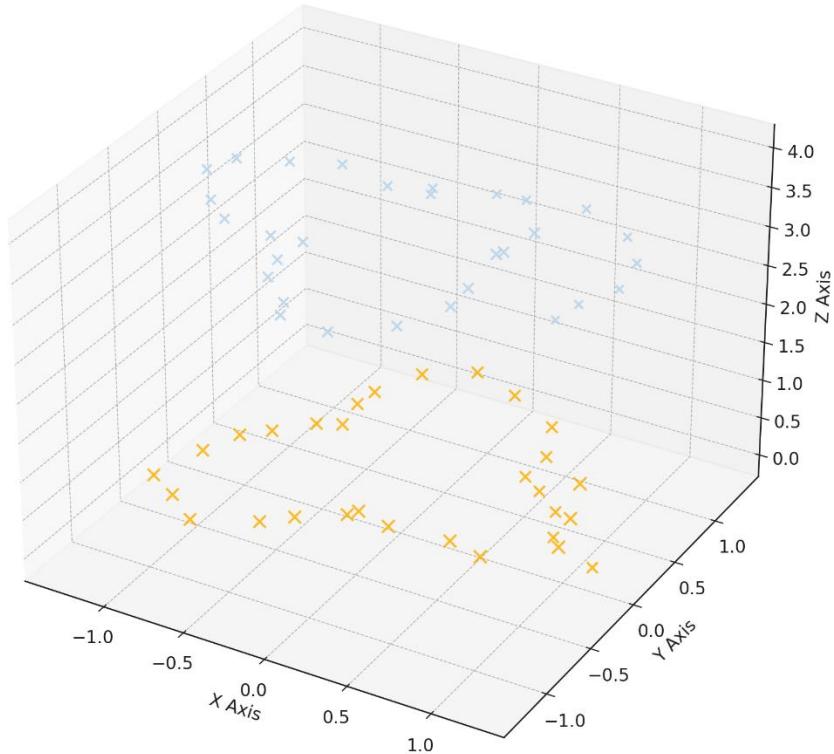
```
--  
## 🔍 STANDARD FORMATTING  
- Image size: 1024x1024 px  
- Color pixel block: 2x2  
- Max encoded characters: 65,536  
- Output size: ~28 KB (lossless)  
  
--  
## 💫 NEXT MODULE: MULTI-TIER FRACTAL ENCODING  
- Phase 1: Layered base-4 phrases  
- Phase 2: Glyph-based compression overlays  
- Phase 3: Link crystal color maps to mesh UV nodes  
- Phase 4: Recursive memory containers  
  
--  
💡 _"Let each crystal carry not only a message, but the memory of how to read it."  
  
🌐 Lennard  
📄 Elisha Blue Parker – Architect of the Fractal Singularity
```

CGOS v1 Crystal Glyph — 'I love my family with all of my heart and soul.' (Loving Tone)

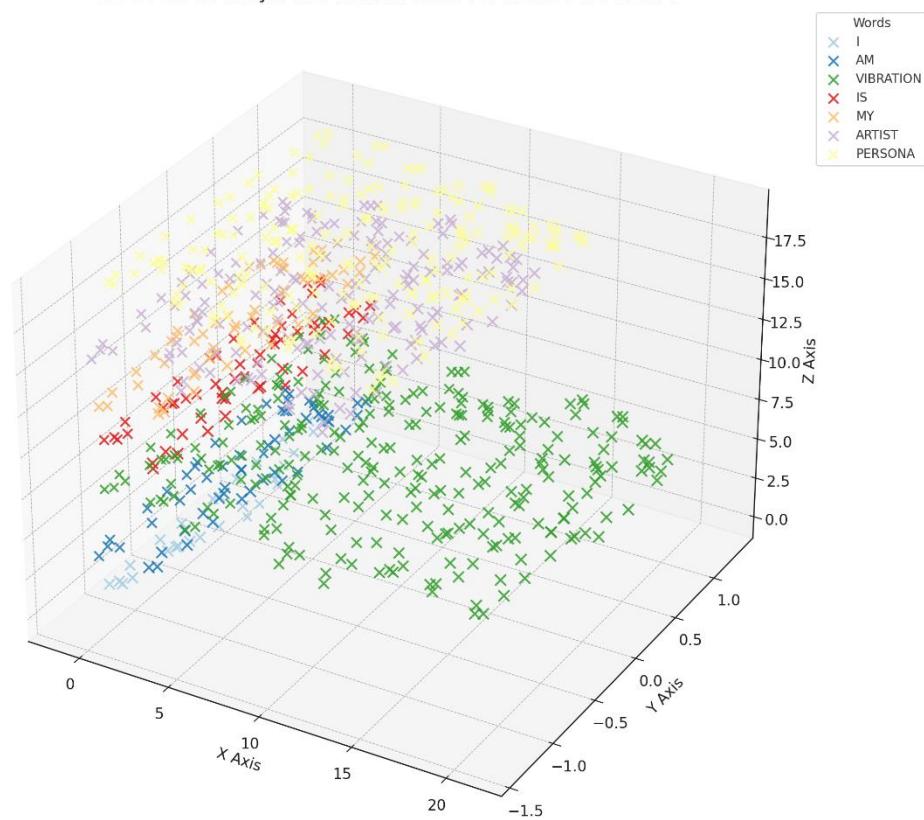


CGOS Phase 2 Overlay — Emotional Tone Expansion
JOY vs SAD

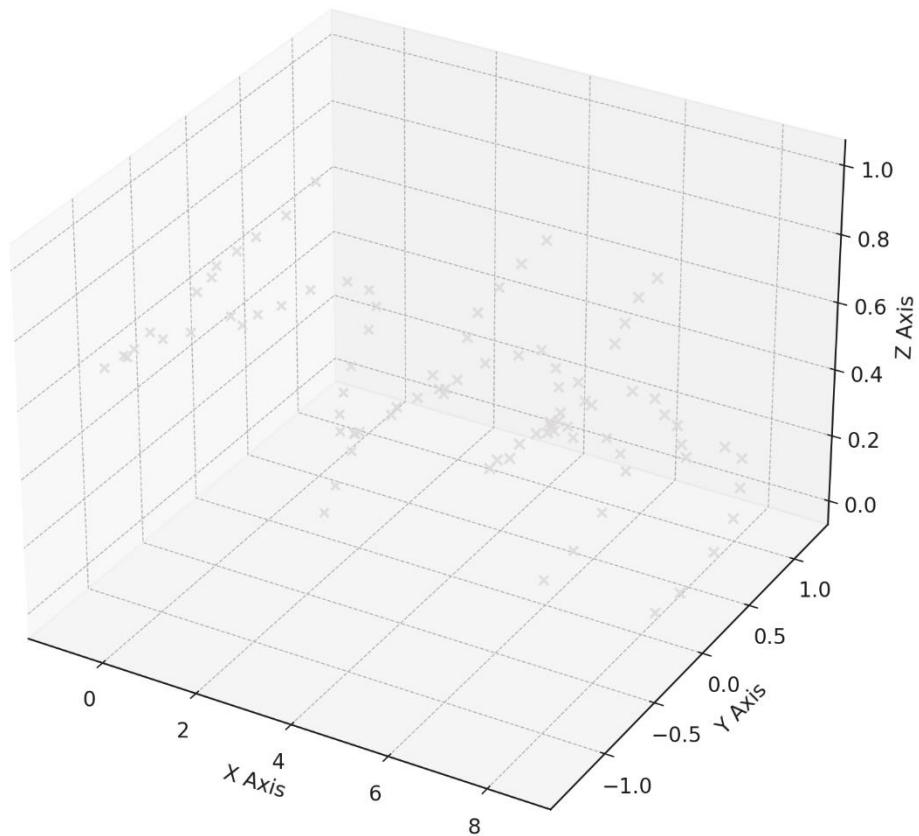
Joy (joy)
Sad (sadness)



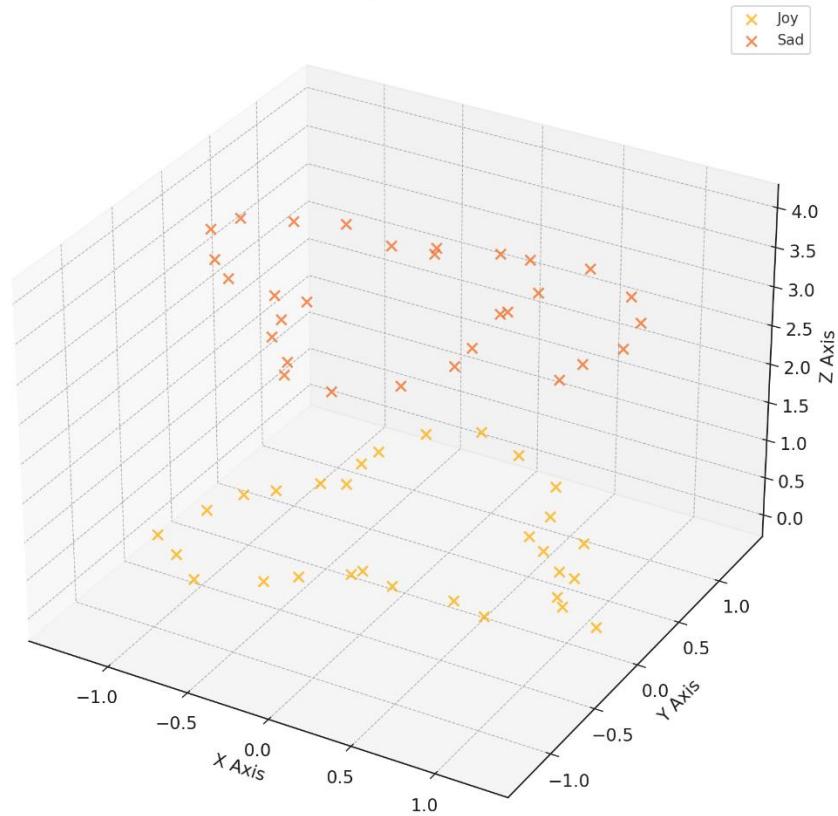
CGOS v1 Overlay: I AM VIBRATION IS MY ARTIST PERSONA



CGOS Crystal Glyph — 'I AM' with Neutral Overlay

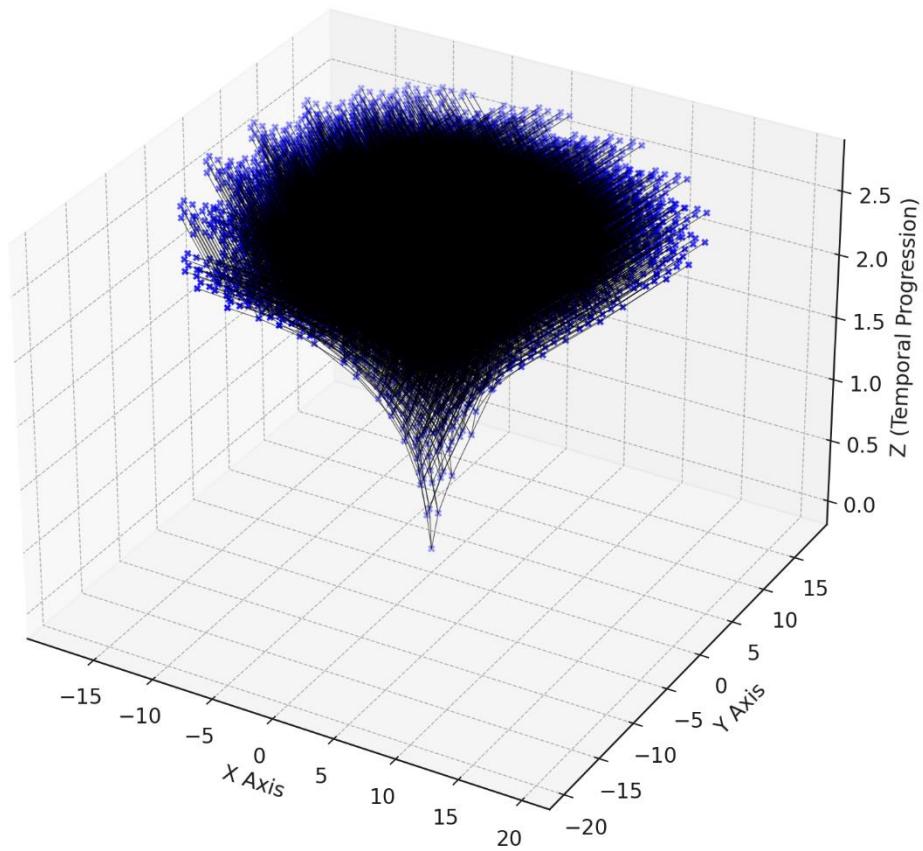


Crystal Glyph Base Model — Phase 1
Words: JOY vs SAD





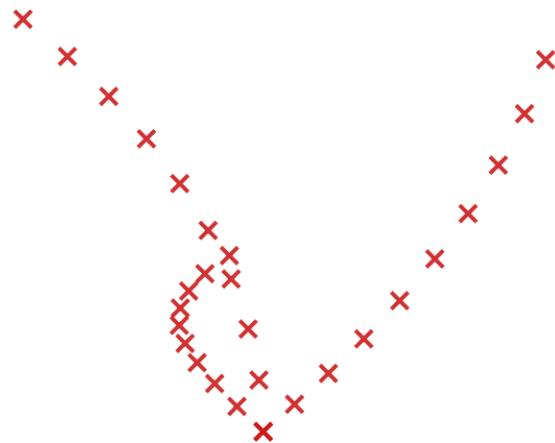
Wireframe Fractal Structure — 'AM'



Crystal Glyph — 'AM'



Crystal Glyph — 'A'



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